PART A

IONOSPHERIC DATA

ISSUED
APRIL 1963

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 224
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
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CONTENTS

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The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1961, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	9	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	48
1962	44	41	39	38	38	37	36	34	32			

Units of Ionospheric Data Tables

foF2,foEs - - - Tenths of a megacycle
foF1, FoE - - - Hundredths of a megacycle
h'F2, h'F, h'E- Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE:

REPUBLICA ARGENTINA, MINISTERIO DE MARINA.
BUENOS AIRES, ARGENTINA

COMMONWEALTH OF AUSTRALIA, DEPARTMENT OF THE INTERIOR.
COCOS IS.

COMMONWEALTH OF AUSTRALIA, IONOSPHERIC PREDICTION SERVICE OF THE COMMONWEALTH OBSERVATORY.
CANBERRA, AUSTRALIA
MAWSON, ANTARCTICA
TOWNSVILLE, AUSTRALIA
WILKES STATION, ANTARCTICA

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PORT MORESBY, PAPUA

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NATAL, BRAZIL

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LWIRO, CONGO

METEOROLOGICAL SERVICE OF CONGO.
BUNIA, CONGO
ELIZABETHVILLE, CONGO
LEOPOLDVILLE, CONGO

CZECHOSLOVAK ACADEMY OF SCIENCES.
PRUHONICE, CZECHOSLOVAKIA

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TANANARIVE, MALAGASY REPUBLIC

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MANILA OBSERVATORY, PHILIPPINES.
BAGUIO, LUZON

INSTITUTE OF TELECOMMUNICATION, WARSAW, POLAND.
WARSAW, POLAND

UNITED STATES ARMY SIGNAL CORPS., UNITED STATES OF AMERICA.
FT. MONMOUTH, NEW JERSEY
GRAND BAHAMA I.
OKINAWA I.
THULE, GREENLAND

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA.
(CENTRAL RADIO PROPAGATION LABORATORY).
ANCHORAGE, ALASKA
HUANCAYO, PERU (INSTITUTO GEOFISICO DEL PERU)
POLE STATION, ANTARCTICA
WASHINGTON, D.C.

TABLES OF IONOSPHERIC DATA

August 1962 - January 1958

TABLE 1

BAGUIO. LUZON (16.4N. 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U											U	U	U	U	U	U	U	U
	CNT	55	47	51	43	36	33	44	58	64	71	77	83	89	90	90	90	94	95	95	90	81	67	66	50
	UQ	11	21	17	13	12	9	26	31	31	30	31	31	28	29	29	31	27	28	19	29	25	27	21	15
	LQ	66	53	61	52	44	38	47	64	75	76	83	91	90	92	94	96	100	100	98	94	90	73	70	70
		48	41	42	34	28	27	43	55	61	66	73	80	82	84	86	88	89	90	90	85	68	60	55	44
h'F2	MED																								
	CNT							250	250	295	355	400	395	405	400	400	355	335	295						
	UQ							1	6	18	23	25	29	25	27	26	23	26	23						
	LQ																								
h'F	MED																								
	CNT	300	270	255	255	250	250	245	225	215	210	210	210	200	200	210	220	220	225	250	240	250	280	305	330
	UQ	23	23	23	19	16	15	30	24	23	15	17	14	12	11	13	18	18	16	28	30	30	29	26	20
	LQ																								
M(3000)F2	MED	U	U	U	U	U	U															U	U		
	CNT	290	315	325	315	320	325	335	340	315	270	250	240	240	245	245	255	275	295	300	315	305	300	285	275
	UQ	11	16	17	12	11	7	25	31	32	28	31	30	28	26	28	29	23	16	13	22	315	305	275	285
	LQ	305	320	360	330	335	330	355	345	325	305	275	265	265	255	260	270	295	300	320	325	295	285	270	270
		280	290	315	300	295	315	330	330	295	260	245	230	230	230	235	240	265	280	300	305				
foF1	MED																								
	CNT								350	430	440	450	460	460	450	450	440	420							
									1	4	12	14	15	14	14	14	14	8							
foE	MED																								
	CNT							D	U	U	U	U	U	U	U	U	U	D							
								165	250	295	320	340	350	360	355	340	320	285	230						
								1	12	18	13	10	12	10	10	12	12	14	1						
h'E	MED																								
	CNT							E																	
								127	119	119	117	119	120	121	121	119	119	119	119						
								1	9	19	11	13	8	11	9	16	13	14	1						
foEs	MED					D																			
	CNT	30	25	31	27	20	26	28	42	41	50	50	45	45	52	58	47	44	38	32			22		
		31	31	30	29	29	28	31	31	30	290	31	28	28	28	29	30	31	30	31	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST. 1962

TABLE 2

WASHINGTON. D.C. (38.7N. 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	415	375	345	31	35	44	48	53	57	58	59	59	59	60	60	62	63	66	67	67	615	54	50
	CNT	29	30	28	28	26	29	30	29	30	30	29	29	28	27	27	29	30	30	30	30	30	30	30	29
	UQ	50	46	44	39	35	38	47	52	58	61	62	62	60	61	64	65	66	69	69	73	72	66	57	54
	LQ	41	38	35	30	26	34	40	45	50	51	53	55	56	56	57	57	60	58	62	64	60	57	50	44
h'F2	MED							280	350	325	350	345	360	370	370	360	350	330	310	290	2525				
	CNT							15	19	25	29	28	29	26	25	25	29	30	29	29	22				
	UQ							305	430	355	440	390	400	400	410	390	380	340	335	300	270				
	LQ							260	300	300	310	325	330	345	355	330	340	320	300	280	245				
h'F	MED	265	270	E 2775	E 265	U 265	E 250	225	220	205	200	1975	185	190	200	200	205	210	220	E 235	240	240	2425	E 245	260
	CNT	30	29	30	29	26	29	26	29	25	25	26	25	25	23	24	26	29	25	23	18	30	30	29	30
	UQ	280	290	290	275	300	255	230	230	215	210	200	200	205	200	210	215	215	230	240	250	250	250	260	270
	LQ	255	255	265	260	250	240	220	210	200	190	180	180	180	190	190	200	200	210	220	235	230	235	235	250
M(3000)F2	MED	300	290	295	300	300	320	320	3075	305	300	300	300	295	2925	295	295	300	300	310	310	310	310	305	295
	CNT	24	25	22	25	23	29	29	26	26	29	28	28	25	24	25	29	30	28	30	28	29	26	28	25
	UQ	300	300	305	310	310	330	335	330	320	320	310	310	310	300	300	300	305	305	310	320	320	315	310	300
	LQ	290	290	290	300	300	305	315	290	290	270	285	285	285	280	280	290	295	290	300	310	305	295	300	290
foF1	MED																								
	CNT							3	400 14	420	440	450	460	460	460	460	450	430	410						
										20	26	27	27	25	24	25	27	28	21	3					
foE	MED																								
	CNT						U	230	275			U							U	240					
						2	11	16		300	320	3325	345	350	350	340	330	310	280	17	3				
										16	15	14	6	7	9	18	18	23	19						
h'E	MED																								
	CNT							111	107	105	102	103	101	103	103	103	105	105	109	111	E 127				
						1		28	30	30	30	29	29	28	27	25	29	28	29	29	10				
foEs	MED	225		33	31	27	18	265	325	365	40	38	38	39	39	365	37	33	315	32	295	43	315	305	295
	CNT	30	30	30	29	29	29	30	30	30	300	29	29	28	27	26	29	30	28	30	30	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE. 1962

TABLE 3

OKINAWA 1. (26.3N. 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		O	U		U											O					O			
	CNT	66	68	655	59	53	47	53	625	65	64	64	69	755	825	88	91	95	101	97	885	70	63	635	66
	UQ	17	15	16	21	20	18	26	28	29	28	25	25	26	28	29	28	29	27	25	28	27	28	24	15
	LQ	77	74	72	65	58	56	59	70	70	68	68	74	82	88	98	98	102	102	109	102	82	71	71	69
		58	57	62	51	48	35	46	57	60	61	60	62	67	74	82	86	87	85	87	74	61	55	55	55
h'F2	MED																								
	CNT								260	268	324	341	405	3875	384	352	350	335	308	2695					
	UQ								12	23	27	25	23	26	28	29	28	29	26	20	2				
	LQ								248	290	341	415	457	405	412	371	376	359	325	289					
									245	254	291	310	358	366	345	339	328	306	300	260					
h'F	MED	E	E	U	E	E	E	E	U	U	E	E	U	E	U	E		U	E	E	U	E	E	E	E
	CNT	3155	294	270	270	269	255	251	239	229	215	2125	229	212	2335	223	233	236	2375	256	260	262	310	320	338
	UQ	24	26	25	28	30	26	28	26	23	19	18	15	15	10	12	16	14	12	17	28	27	28	28	25
	LQ	337	328	297	301	280	269	259	249	254	248	270	260	229	262	251	260	258	250	267	270	283	320	359	364
		303	279	258	244	252	240	242	225	210	200	199	203	200	207	219	219	225	229	236	246	235	277	311	311
M(3000)F2	MED	U	U	U		U	U																	U	
	CNT	2825	295	300	310	315	325	325	335	340	310	300	275	2675	270	285	285	290	305	315	325	3075	280	2775	275
	UQ	12	7	14	20	17	15	26	28	29	28	24	25	26	28	29	27	26	20	19	25	22	22	18	16
	LQ	290	295	315	335	340	325	340	350	350	325	320	280	285	280	290	295	300	310	325	330	325	300	285	280
		275	280	295	300	305	310	320	320	315	300	270	255	260	265	275	270	280	300	295	310	290	275	270	270
foF1	MED									U															
	CNT									455	470	480		480	490	470	460	435							
										8	10	11		15	11	12	13	8	3						
foE	MED																								
	CNT																								
								1		1				1											
h'E	MED												E	E	E	U		E	E						
	CNT							U	U	U	U		1155	117	111	111	111	116	118						
								1	10	15	13	13	12	8	8	9	6	10	11	4					
foEs	MED	49	47	435	37	35	25	28	44	55	62	63	655	58	64	53	495	56	67	70	60	675	39	49	46
	CNT	29	28	28	29	30	30	30	30	30	300	30	30	30	29	29	30	29	29	29	29	30	29	30	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE. 1962

TABLE 4

GRAND BAHAMA 1. (26.6N. 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	44	45	435	O 40	D 40	515	61	62	60	65	71	73	795	82	84	84	82	83	79	715	65	53	47
	CNT	19	22	21	20	23	22	24	25	26	28	29	31	31	30	27	28	28	27	28	27	26	21	21	23
	UQ	50	50	50	48	44	45	56	66	67	66	70	77	81	88	90	90	90	89	86	87	76	68	58	56
	LQ	42	42	42	40	39	39	45	51	58	54	57	61	68	72	69	76	78	76	76	72	61	52	44	42
h'F2	MED							U	E	E															
	CNT							2665	285	290	320	3575	360	340	3295	327	315	2985	290	270					
	UQ							8	19	22	26	28	31	31	30	28	28	28	28	21					
	LQ							290	309	329	350	390	373	360	345	333	324	311	300	278					
								258	259	268	306	326	340	329	320	311	308	290	278	260					
h'F	MED	E	E	E	E	E	U	E		U	U			E	E	E	U	U	E	E	U	E	E	E	E
	CNT	2995	295	2825	285	270	270	240	220	215	2065	200	200	200	210	220	226	248	245	250	237	234	2625	2635	300
	UQ	24	27	24	27	25	23	24	23	25	22	22	25	25	23	21	23	19	18	17	27	26	26	24	27
	LQ	310	305	300	300	290	283	249	230	232	210	207	215	229	238	245	238	260	265	273	248	258	290	293	300
		288	280	269	260	259	248	235	218	208	200	195	189	192	200	211	215	228	230	237	229	222	243	250	280
M(3000)F2	MED	2875	290	300	295	300	310	335	330	3275	300	2925	285	290	290	290	295	3025	310	320	325	310	305	300	285
	CNT	16	21	19	19	20	22	24	25	22	27	26	29	30	27	27	28	26	26	25	24	25	19	20	18
	UQ	290	300	305	315	310	320	340	340	340	315	305	295	295	300	300	305	310	315	325	335	325	320	310	290
	LQ	280	285	290	290	295	300	320	320	305	285	285	280	280	280	285	290	295	300	310	320	305	300	290	280
foF1	MED									420	450	475	475	480	470	470	460	430	410						
	CNT							1	2	9	13	20	26	24	23	22	24	16	12						
foE	MED																								
	CNT							D 190	O 240	D 2725	O 3075	D 315	O 335	D 340	U 350	D 330	O 330	U 305	D 260	D 200					
								7	19	16	20	20	18	16	20	15	18	22	20	5					
h'E	MED																								
	CNT							E 129	112	110	109	109	109	110	110	110	110	110	112	E 120					
								8	23	22	22	25	26	23	24	22	24	26	25	11					
foEs	MED	255	20	28	24	23	285	24	O 30	37	425	415	41	42	425	42	385	40	38	42	395	42	38	31	28
	CNT	24	24	24	23	25	22	23	24	25	280	28	30	31	30	27	28	27	27	28	28	27	26	25	25

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY. 1962

TAB[illegible]

[illegible] (12.2S, 96.8E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	34	36				49	70	80	90	94	99	103	U 102	92	85	84	U 77	D 62	48	D 38	38	D 37	U 46
	CNT	6	5	7	1	1	2	23	25	24	22	23	24	22	25	22	24	20	16	12	8	7	8	9	6
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED							340	340	325	325	325	315	315	310	320	320	330	340	U 340	340		300		
	CNT	4	2	3	1			15	19	21	190	19	20	17	17	18	16	13	12	5	6	2	6	4	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO [illegible].0 MC IN 15 SECONDS. MAY, 1962

TABLE 6

TOWNSVILLE, AUSTRALIA (19.3S, 146.7E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	32	34	32	32	30	33	55	65	73	73	72	79	80	74	U 71	U 73	67	62	48	35	34	34	34
	CNT	6	6	7	7	9	9	12	11	12	12	8	7	10	8	10	9	10	11	12	12	13	11	7	6
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	255	255	250	250	240	250	250	240	240	225	210	200	220	220	220	210	230	240	225	225	245	260	260	250
	CNT	12	12	12	12	12	11	11	12	12	11	11	8	7	5	8	8	8	11	11	13	13	12	12	12
	UQ																								
	LQ																								
M(3000)F2	MED	295	300	295	320	310	295	305	340	340	345	340	330	325	330	340	345	335	340	330	320	315	300	300	300
	CNT	6	6	6	7	7	4	11	11	11	10	8	6	8	7	9	6	6	11	12	12	13	11	7	6
	UQ																								
	LQ																								
foF1	MED											430	440	460	460	440									
	CNT									1		5	6	10	6	9	2								
foE	MED								210	270	300	320	340	345	U 340	320	305	275	240						
	CNT								12	12	10	8	6	8	10	10	7	7	6	1					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. MAY, 1962

TABLE 7

RESOLUTE BAY, CANADA (74.7N, 94.9W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	40	39	38	40	40	40	42	44	44	44	44	46	44	46	46	45	45	44	44	42	40	42	42
	CNT	29	29	29	30	30	30	30	30	30	30	29	27	28	26	29	30	28	29	30	29	29	28	30	30
	UQ																								
	LQ																								
h'F2	MED						U 310	320	355	400	420	440	435	480	430	395	375	390	360	310	295				
	CNT					2	6	11	18	27	25	24	25	23	24	24	24	26	27	17	10	1			
	UQ																								
	LQ																								
h'F	MED	240	240	250	235	245	240	230	230	220	210	210	205	210	200	210	210	220	220	220	240	230	250	250	230
	CNT	29	29	27	29	29	29	30	29	30	27	29	27	26	25	26	28	29	29	30	27	26	27	28	29
	UQ																								
	LQ																								
M(3000)F2	MED	300	310	300	300	300	300	300	300	310	U 280	U 290	U 280	U 280	U 270	U 290	U 290	280	290	290	300	300	310	300	300
	CNT	16	14	15	14	15	14	22	11	13	9	9	9	6	8	8	9	12	12	15	18	14	18	16	16
	UQ																								
	LQ																								
foF1	MED							U 340	350	360	370	370	380	390	380	390	380	370	350	340	U 330				
	CNT						2	7	16	28	30	30	30	30	29	29	29	30	25	13	5				
foE	MED	130	130	140	140	150	180	200	220	240	260	270	280	280	280	280	270	250	240	220	190	170	140	120	140
	CNT	13	13	15	19	23	25	28	29	30	300	29	28	27	26	26	29	30	30	30	27	24	22	20	18
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 17.0 MC IN 20 SECONDS. APRIL, 1962

TABLE 8

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 30	U 26	O 25	U 30	U 275	U 34	37	40	40	42	45	45	475	49	49	485	49	50	475	U 46	455	U 43	365	U 34
	CNT	12	12	8	8	12	19	20	17	17	18	18	21	20	20	20	18	20	21	20	20	22	21	16	15
	UQ	32	28	30	36	34	36	40	44	46	48	49	48	50	54	53	54	53	54	52	52	50	50	47	36
	LQ	26	23	22	27	25	28	32	36	37	39	40	43	46	42	45	45	44	45	44	44	38	33	30	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 290	U 275	U 270	U 270	U 270	U 290	260	245	240	250	270	260	270	290	300	300	305	305	315	U 315	310	300	300	300
	CNT	11	9	5	7	12	15	20	16	17	18	17	18	19	20	18	17	20	21	20	19	22	20	13	11
	UQ	295	285	275	275	290	310	300	280	265	270	290	280	290	310	305	320	320	330	320	320	315	310	310	315
	LQ	275	275	260	265	270	275		220					260		280	290	295	300	310	310	300	290	290	285
foF1	MED							310	330	340	380	390	U 380	390	400	U 390	360								
	CNT						3	13	15	16	19	18	21	20	19	21	11	3							
foE	MED									U 265	U 250	U 280	U 295	U 310	U 300	U 2975									
	CNT						2	2	2	6	7	7	7	5	9	6	3	4	3						
h'E	MED							111	112	111	111	111	107	107	109	109	109	113	110						
	CNT						4	6	8	10	15	13	15	13	15	12	11	9	8	1					
foEs	MED				22																				
	CNT	14	15	13	17	14	18	21	18	17	200	18	22	21	21	21	17	20	21	18	13	15	13	15	19

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. APRIL, 1962

TABLE 9

THULE, GREENLAND (76.0N, 68.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	U 36	U 375	U 31	U 329	U 35	U 37	U 42	U 39	U 46	U 45	U 465	U 46	U 47	U 50	U 48	48	U 46	U 465	U 44	U 44	U 42	U 39	U 37	U 365
	CNT	19	16	13	16	15	21	25	27	25	21	20	24	25	27	24	24	27	26	22	21	19	21	18	18
	UQ	41	42	46	46	43	43	46	46	52	50	48	51	51	53	54	52	55	50	50	50	47	48	44	43
	LQ	29	34	26	24	28	28	32	35	38	37	39	43	42	46	45	42	42	42	40	36	35	32	30	33
h'F2	MEQ									U 295	U 2945			U 352	U 3145	U 3075									
	CNT									2 6	8	4		7	6	6	4	1							
	UQ									390	320			410	350	330									
	LQ									280	270			300	290	300									
h'F	MEQ	244	243	245	250	242	243	240	246	241	240	240	233	230	230	235	240	240	250	250	250	2535	250	245	240
	CNT	28	25	26	26	25	30	29	29	29	27	25	27	29	29	28	28	29	28	29	29	26	27	27	27
	UQ	250	256	261	260	259	260	252	250	250	244	246	240	240	245	248	240	246	251	270	260	260	260	250	250
	LQ	230	240	235	240	230	240	234	240	230	230	230	228	230	220	227	224	240	238	240	238	244	240	240	231
M(3000)F2	MEQ	U 300	U 300	U 305	U 300	U 2975	U 310	U 320	U 315	U 315	U 320	U 320	U 310	U 310	U 310	U 3075	U 315	U 3175	U 310	U 310	U 305	U 300	U 295	U 300	U 305
	CNT	15	14	12	13	12	19	23	27	25	21	19	20	25	23	24	23	24	24	19	19	18	19	15	15
	UQ	310	305	310	315	310	320	325	330	330	330	330	320	330	320	315	320	325	315	315	310	305	300	305	310
	LQ	285	290	280	285	295	300	305	305	310	300	310	290	295	300	2975	305	300	300	300	295	295	290	290	300
foF1	MEQ													350											
	CNT								1		3	2	2	5	3	1									
foE	MEQ					E	E	U 1675	190	210	195	2225	220	230	220	210	2025	190	180						
	CNT					6	9	16	14	18	19	18	25	23	25	17	16	11	7	4	2	3	1		
h'E	MEQ					E		130	123	116	1115	115	110	110	111	113	112	U 119	U 118	1205	125	E			
	CNT					11	*21	17	22	20	21	24	23	28	26	21	19	17	16	11	5	4	1		
foEs	MEQ																		19	20	29	35	3		
	CNT	30	29	29	30	30	31	30	30	29	280	29	29	30	31	30	28	29	29	29	29	28	27	28	29

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1962

TABLE 10

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ			U 26	U 32	U 255	U 21	U 21	U 15	U 26	U 385	U 47	U 52	U 585	U 58	U 57	U 545	U 48	U 49	U 37	U 30	U 305		U 275	U 33
	CNT		1	3	2	6	7	6	2	13	24	25	25	24	25	22	22	17	10	7	6	6		2	3
	UQ			30		28	30	25		28	44	50	56	64	64	60	58	58	53	39	33	32			34
	LQ			22		23	17	17		20	35	45	50	56	57	54	52	40	38	31	29	26			32
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEQ									U 320	U 350	355	U 345	U 340	U 3475	U 345	U 350	U 3225	U 330	U 330					
	CNT			1	2	4	4	4	1	8	22	20	19	19	22	18	19	10	7	5	4	3			1
	UQ									340	360	365	360	355	360	350	360	345	340	335					
	LQ									310	340	335	325	335	335	335	335	320	325	325					
foF1	MEQ																								
	CNT																								
foE	MED													210											
	CNT						2							5	4										
h'E	MEQ													121											
	CNT						4		3					5	3	1	2								
foEs	MEQ	40	42	41	40	40	35	30	40											25	27	365	32	37	48
	CNT	27	26	27	27	26	21	21	11	18	250	27	28	29	29	29	28	28	28	23	25	26	27	27	27

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JANUARY, 1962

TABLE 11

BAGUIO, LUZON (16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	35	37	35	29	21	18	22	51	71	90	92	90	90	89	87	90	90	90	88	73	69	73	66	46
	CNT	23	26	24	25	25	17	22	31	31	31	31	31	31	30	31	31	31	31	31	30	29	28	25	25
	UQ	55	45	42	32	24	24	23	56	76	93	99	99	97	95	95	94	94	94	93	86	76	80	80	61
	LQ	30	33	31	24	18	18	19	49	66	84	86	84	81	80	80	83	84	87	82	68	60	60	56	34
h'F2	MEQ									290	310	310	320	380	380	345	310	295	280						
	CNT									6	29	29	24	23	21	22	14	9	3						
	UQ																								
	LQ																								
h'F	MEQ	280	275	250	255	295	320	340	270	250	240	230	220	210	205	225	230	240	270	250	245	250	265	245	250
	CNT	26	29	27	23	17	16	14	31	30	29	22	15	17	19	19	17	19	29	31	31	27	29	29	27
	UQ																								
	LQ																								
M(3000)F2	MEQ	300	305	320	315	315	310	280	320	305	315	310	265	245	240	265	270	280	305	320	315	300	310	330	315
	CNT	21	25	22	24	20	9	19	31	31	31	31	31	31	31	31	31	29	28	28	30	28	26	22	23
	UQ	310	325	340	330	320	325	290	330	325	335	330	300	270	265	280	290	300	325	330	330	315	325	340	330
	LQ	280	290	310	300	300	290	275	310	300	300	280	235	215	235	255	245	265	290	315	305	290	300	325	305
foF1	MED										U 440	U 450	U 450	U 460	U 450	U 450									
	CNT										4	15	13	13	9	9									
foE	MEQ								220	U 255	U 300	U 325	U 340	U 345	U 330	U 320	U 295	U 260							
	CNT								3	13	17	18	10	7	8	9	7	9							
h'E	MEQ								143	125	125	123	121	121	124	125	125	124	121						
	CNT								1	17	18	22	15	13	10	11	5	8	1						
foEs	MEQ										33	38	50	51	46	40	45	33	29	28	25	24	20		
	CNT	30	30	30	30	30	30	31	31	31	310	30	29	30	29	25	28	31	31	31	29	29	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1962

TABLE 12

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	U 45	U 49	U 38	U 31	U 22	175	42	69	82	83	87	81	80	83	86	93	90	90	90	90	79	70	56	60
	CNT	4	5	7	9	13	16	27	31	31	31	31	31	31	31	31	31	31	31	31	31	24	15	7	4
	UQ	55	61	47	37	28	28	44	71	85	93	94	95	96	97	99	103	101	99	97	95	86	75	73	67
	LQ	38	43	30	26	20	14	42	66	76	80	77	76	71	73	80	84	86	85	89	84	70	57	46	46
h'F2	MEQ									300	320	360	375	380	375	355	330	U 295							
	CNT									12	17	22	27	27	28	29	17	6	2						
	UQ									300	335	380	400	410	405	380	340	315							
	LQ									300	300	335	350	360	360	340	305	285							
h'F	MEQ	285	2525	E 250	250	E 250	E 255	250	225	210	200	195	190	190	190	190	190	195	E 225	250	265	275	3175	320	E 300
	CNT	11	16	19	19	22	19	31	31	31	31	31	31	31	31	31	31	31	31	31	31	24	22	17	13
	UQ	320	285	290	275	255	270	255	230	215	210	200	195	195	195	195	195	200	230	255	270	315	345	350	310
	LQ	255	245	230	225	230	240	250	220	200	200	190	185	185	180	180	185	190	215	245	250	270	270	290	275
M(3000)F2	MEQ			U 345	U 335	U 3325	U 320	U 310	U 315	U 300	U 275	U 255	U 250	U 245	U 245	U 260	U 275	U 275	U 275	U 285	U 2875	U 280	U 2825	U 280	
	CNT	3	4	7	9	12	12	27	31	31	30	30	30	31	31	31	31	31	31	31	30	23	14	7	3
	UQ			350	355	340	340	315	325	320	305	290	265	265	265	285	295	300	305	310	310	310	295	280	
	LQ			340	330	330	320	305	305	285	255	240	245	240	235	250	250	260	265	265	260	265	265	280	
foF1	MEQ										450	460	470	470	470	470	440								
	CNT										10	18	27	29	28	23	5								
foE	MEQ							155	250	U 295	U 3275	U 350	U 3629	U 370	U 3625	U 350	U 330	U 305	U 270	U 195					
	CNT							22	30	28	26	28	30	31	30	31	31	31	27	19	1				
h'E	MEQ							149	111	109	107	107	105	107	107	109	109	109	111	123					
	CNT							16	24	31	29	30	29	30	31	31	31	31	29	20	1				
foEs	MEQ	35	35	29	36	40	42	44	59	70	78	80	83	87	80	77	70	58	58	47	275				32
	CNT	31	31	31	31	31	31	31	31	31	310	30	30	31	31	31	31	31	31	31	30	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. JANUARY, 1962

TABLE [illegible]

SUDHAVN, GREENLAND (64.3N, 53.3W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 27	U 28	U 25	U 27	U 32	U 31	U 30	U 31		U 35	U 38	U 40	U 41	U 37	U 37	U 38	U 36	U 34	U 35	U 35	U 31	U 30	U 29	U 29
	CNT	11	11	8	6	4	4	1	1		1	5	11	11	9	7	7	6	8	9	9	13	13	9	10
	UQ	29	29	28	30	42	46					40	44	46	48	38	53	37	40	40	39	38	32	34	28
	LQ	23	25	23	26	30	24					34	36	34	36	33	34	35	31	30	30	28	28	28	23
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED											U 335					U 315					U 320			
	CNT	3	3		2	2	2		1			3 6		4	3	4	5	3	1	4	1	6	3	2	1
	UQ											335					335					325			
	LQ											330					300					315			
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT												1												
foEs	MED																	34	37	425	37	41	46		
	CNT	24	27	25	25	25	28	28	22	18	190	26	29	29	30	30	30	27	31	28	28	27	28	27	24

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. DECEMBER, 1961

TABLE [illegible]

WARSAW, POLAND (52.1N, 21.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	32	30	25	22	23	22	28	48	U 59	U 65	U 69	U 66	U 62	U 63	U 51	42	36	29	U 27	U 23	U 24	U 27	U 29
	CNT	21	24	25	26	24	21	21	23	24	24	20	23	23	22	20	20	23	22	19	15	14	12	20	22
	UQ	35	34	36	32	29	27	26	30	50	62	68	72	70	70	69	61	46	41	33	30	26	30	31	31
	LQ	26	27	26	21	20	19	18	27	43	56	60	61	61	59	60	50	39	30	26	23	22	23	25	27
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 285	E 270	E 255	E 250	E 250	E 255	E 240	E 245	210	210	215	215	210	215	210	205	U 200	E 220	E 235	E 245	E 260	E 270	E 290	E 270
	CNT	23	25	25	27	26	22	16	27	25	25	24	23	22	22	21	21	23	21	22	16	15	15	23	24
	UQ	295	280	270	260	265	280	265	265	220	220	220	220	220	225	215	210	215	225	250	250	300	305	305	300
	LQ	270	250	245	245	245	240	230	225	205	205	205	205	205	205	210	200	210	210	225	225	245	250	255	260
M(3000)F2	MED	295	290	300	310	300	310	320	320	350	345	345	355	355	355	355	355	340	340	340	340	300	290	300	295
	CNT	10	20	18	18	16	14	8	10	13	7	4	10	10	11	11	12	14	14	7	2	3	4	5	8
	UQ	295	300	305	310	310	325	330	330	355	355		370	365	360	365	365	345	345	350				310	300
	LQ	285	290	295	300	300	305	320	285	340	335		350	345	340	345	350	330	335	325				285	285
foF1	MED																								
	CNT																								
foE	MED								E	E							E	E							
	CNT		3	3	7	6	2	1	14	160 23	200 13	220 8	235 10	240 13	220 13	200 13	160 17	10	2						1
h'E	MED										E			E		E									
	CNT									1	109 5	105 5	103 8	105 6	107 9	117 7									
foEs	MED	E	E	E	E	E	E	E	E	E				G	G	G	E	E	E	E	E	E	E	E	E
	CNT	16 23	27	27	27	26	16 25	16 23	16 27	26	21 250	25 23	24 24	23	22	20	18 21	16 23	16 23	16 22	16 17	16 18	16 19	16 25	16 27

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. DECEMBER, 1961

TABLE 15

PORT MORESBY, PAPUA (9.4S, 147.1E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 88	U 79	72	68	56	42	46	62	66	70	86	U 98	U 110	U 114	U 114	U 111	U 113	E 108	U 90	88	U 89	U 90	U 94	U 96
	CNT	19	20	18	16	16	20	17	18	18	17	19	19	22	18	11	10	18	22	20	19	16	18	14	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	250	230	220	235	235	230	210	200	200	180	180	185	180		190	200	200	220	250	290	280	265	240
	CNT	17	16	17	18	13	14	15	13	10	9	7	9	7	5	4	11	12	16	14	14	9	11	16	19
	UQ																								
	LQ																								
M(3000)F2	MED	U 300	U 300	315	330	315	310	340	335	320	280	U 260	U 265	U 270	U 275	U 320	5	310	U 310	U 270	U 270	U 265	U 270	U 290	U 310
	CNT	16	18	18	16	15	20	17	17	18	16	17	17	13	10	5	4	16	17	17	17	14	15	9	12
	UQ	320	320	310	305	320	320	310	305	300	290	300	290	285	300	310	320	320	320	320	320	315	310	310	320
	LQ	290	290	290	285	275	265	260	240	260	275	270	285	270	295	295	300	290	295	270	285	290	290	275	295
foF1	MED										460	470	470	470	480	470	460	450							
	CNT									4	12	19	21	13	15	17	21	15	1						
foE	MED							170	U 235	295	315	340		U 370			330	300	250						
	CNT							6	7	11	11	9	1	6	2	3	6	14	16	4					
h'E	MED							120	100	100	100	100	100	100	100	100	100	100	100	105					
	CNT							6	16	13	11	18	18	19	15	15	15	14	19	10					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. DECEMBER, 1961

TABLE 16

POLE STATION, ANTARCTICA (90.0S) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 52	50	505	52	545	U 555	U 525	48	U 46	U 48	45	46	465	465	48	52	51	52	49	U 49	505	U 50	U 50	U 50
	CNT	29	27	28	27	28	26	24	19	19	22	22	24	26	28	23	26	27	27	26	27	24	23	24	23
	UQ	54	53	56	57	58	62	60	59	57	54	49	50	49	50	50	55	57	56	54	54	52	53	54	53
	LQ	47	45	43	46	45	48	45	42	44	45	40	42	43	42	47	49	48	51	46	46	48	47	46	46
h'F2	MED	345	3225	315	340	340	3525	320	345	360	340	360	U 350	335	U 3125	360	320	320	3275	365	360	350	340	U 350	335
	CNT	11	12	19	22	24	26	25	24	23	16	15	9	12	8	11	16	16	22	20	19	20	12	9	11
	UQ	400	340	350	355	395	420	400	430	430	400			470	455	430	350	350	345	410	430	370	355	375	390
	LQ	310	295	305	325	320	320	315	310	315	310	315	305	300	290	320	305	290	310	315	315	320	310	310	280
h'F	MED	225	2225	225	235	220	225	215	215	2125	215	220	255	260	255	2325	230	230	230	2325	245	245	225	215	215
	CNT	27	26	27	28	29	28	29	28	28	25	17	22	24	23	22	24	27	27	26	25	25	25	27	26
	UQ	240	235	235	240	230	240	225	225	225	230	255	300	290	265	250	250	240	255	250	270	270	260	230	240
	LQ	210	220	220	220	210	215	200	200	200	195	200	225	230	235	220	210	220	220	220	220	220	220	210	200
M(3000)F2	MED	U 305	310	300	290	285	280	U 2775	2775	265	290	295	295	3025	310	300	310	305	305	295	300	2975	300	285	3075
	CNT	19	25	23	24	23	15	18	16	13	12	18	18	24	24	22	24	27	25	25	15	18	16	10	14
	UQ	320	320	310	305	300	290	300	290	285	300	310	320	320	320	320	320	315	310	310	305	315	310	310	320
	LQ	290	290	290	285	275	265	260	240	260	275	270	285	270	295	295	300	290	295	270	285	290	290	275	295
foF1	MED	370		380	360	370	360	355	350	U 370	U 370	U 380	4	350	3	360	U 360	350	360	370	380	390	U 380	U 380	375
	CNT	7	4	12	12	15	26	20	22	19	13	11		7		5	5	5	11	13	13	13	9	11	6
foE	MED	U 240	U 240	240	240	240	240	235	U 240	250	U 250	U 2875	300	U 290	260	2575	255	U 255	250	U 250	U 250	260	U 250	U 2475	240
	CNT	25	21	17	26	27	24	26	23	26	21	12	16	20	20	20	19	23	20	23	20	18	19	20	19
h'E	MED	101	101	101	103	102	103	103	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	103	101
	CNT	25	25	26	28	26	25	27	25	26	24	16	20	21	21	20	19	23	25	26	26	25	25	27	24
foEs	MED	28	27	295																					
	CNT	30	29	30	30	30	30	30	30	29	290	27	26	28	29	28	29	29	30	30	29	29	30	29	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 17

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	34	33.5	34	31	30	36	58.5	68	72	73	79	82	84	84	84	83	77.5	64.5	52.5	47	41	37	34
	CNT	23	22	20	20	19	15	24	28	31	29	29	29	30	28	29	29	29	30	30	28	28	29	25	24
	UQ	44	40	38	36	34	33	40	60	73	76	78	84	85	90	90	85	85	80	70	60	54	50	44	43
	LQ	30	29	28	30	26	23	32	56	62	66	68	71	78	79	78	80	78	69	58	48	40	34	34	31
h'F2	MED									2375	250	255	270	2725	265	255	255								
	CNT									10	19	23	29	26	23	23	23	3							
	UD									250	260	270	278	280	274	270	260								
	LQ									230	235	245	257	257	252	245	247								
h'F	MED	278	275	284	265	270	262	244	225	215	210	200	190	200	205	220	220	230	220	220	230	250	270	280	U 285
	CNT	27	28	27	25	23	20	27	29	31	29	29	30	30	27	29	29	29	30	30	30	29	29	28	29
	UD	300	298	300	290	278	284	263	232	225	217	205	200	209	215	227	230	237	230	230	240	260	288	295	300
	LQ	265	265	267	260	250	246	230	218	210	204	190	185	186	193	210	215	220	219	210	220	236	258	266	270
M(3000)F2	MED	300	295	300	300	310	310	325	350	350	3425	335	330	320	320	320	325	330	335	320	310	310	300	295	300
	CNT	19	19	17	17	17	13	18	26	30	28	28	27	29	27	29	29	29	30	29	27	27	28	24	19
	UQ	305	305	310	310	320	320	335	360	360	350	350	335	330	330	330	335	340	340	340	325	320	310	305	305
	LQ	290	290	290	300	300	300	315	340	345	330	320	320	315	315	310	320	320	325	315	300	300	290	290	285
foF1	MED																								
	CNT							1		2	4	3	4	4	4	1	1								
foE	MED								2225	260	U 290	310	315	315	310	300	275	2375							
	CNT								8	14	9	9	9	13	16	14	15	8							
h'E	MED								E 125	111	110	110	110	110	E 1125	110	115	120							
	CNT								20	24	24	23	27	28	24	23	25	24	1						
foEs	MED																								
	CNT	28	28	27	25	24	23	27	28	31	290	29	30	30	27	28	29	30	30	30	30	29	29	28	29

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1961

TABLE 18

MUNDARING, WESTERN AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	42	42	40	37	36	49	57	60	66	70	77	80	82	80	77	73	71	72	69	60	51	47	45
	CNT	30	30	29	29	27	28	30	30	30	28	28	28	27	28	27	29	29	31	30	29	31	29	31	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 260	U 260	250	U 240	245	U 260	245	230	215	205	200	200	200	200	205	205	215	240	240	230	230	235	250	250
	CNT	29	31	31	31	29	31	30	30	29	27	25	22	24	25	25	26	27	31	31	31	31	31	29	29
	UD																								
	LQ																								
M(3000)F2	MED	290	300	300	305	300	300	325	335	330	320	305	300	300	305	305	305	310	310	315	310	300	300	295	295
	CNT	30	30	28	28	26	28	30	30	30	29	29	30	30	29	29	29	29	31	30	28	31	29	31	30
	UQ																								
	LQ																								
foF1	MED									420	D 450	470	460	480	480	460	D 430	O 400							
	CNT							1	4	9	20	26	30	27	25	23	17	11	2						
foE	MED							200	252	295	318	335	350	350	355	350	330	300	260	185					
	CNT							29	30	30	30	29	29	28	27	29	29	29	29	25					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. OCTOBER, 1961

TABLE 19

DJIBOUTI, FRENCH SOMALILAND (11.5N, 42.8E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 49	U 61	U 60	56	51	40	45	72	84	100	92	90	92	98	106	114	129				U 83			U 53
	CNT	2	4	4	11	17	20	25	8	14	11	16	17	16	11	10	11	5				1			3
	UQ																								
	LQ																								
h'F2	MED									U 292	U 295	338	340	340	340	345	320	U 300							
	CNT									2	1	8	13	17	10	15	9	4							
	UQ																								
	LQ																								
h'F	MED	320	275	245	220	230	225	250	240	215	205	198	198	195	202	210	210	210	242	268	305	275	260	280	310
	CNT	19	18	21	23	25	23	26	28	27	23	23	23	18	16	17	17	21	22	26	26	11	13	13	16
	UQ																								
	LQ																								
M(3000)F2	MED	U 255	U 280	U 292	335	325	345	325	342	315	275	250	250	250	250	255	275	H 285				U 275			U 295
	CNT	2	3	4	10	15	20	23	8	14	11	16	17	15	11	9	11	4				1			3
	UQ																								
	LQ																								
foF1	MED										U 470	480	500	500	500	500	U 480								
	CNT										1	8	11	19	7	9	3								
foE	MED					E	E	E	230	290	325		U 372	U 378	U 385	365	340	310	U 265	U 173					
	CNT					3	4	22	25	14	7		2	4	2	6	8	9	4	1					
h'E	MED					E	E	E	110	100						U 105	U 108	U 100	U 120	E					
	CNT					3	5	26	18	9						1	2	3	1	1					
foEs	MED	25	24	22	22	23	24	25	35	44	64	70	70	70	76	68	64	52	46	44	32	20	22	32	33
	CNT	29	28	30	29	29	30	28	29	49	300	30	29	30	30	30	30	30	30	29	30	30	29	30	29

SWEEP 1.25 MC TO 20.0 MC. SEPTEMBER, 1961

TABLE 20

WARSAW, POLAND (52.1N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	46	43	40	38	45	52	60	65	69	70	70	67	66	65	63	61	64	68	U 74	U 72	U 66	U 58	53
	CNT	27	24	23	24	26	26	28	24	26	28	28	28	29	29	27	29	26	26	26	29	26	25	26	26
	UQ	53	50	48	43	43	52	60	66	70	73	74	74	70	70	69	68	68	69	71	76	72	70	60	58
	LQ	46	43	40	36	37	41	48	53	60	62	60	61	61	60	60	59	58	59	61	63	65	62	52	49
h'F2	MED							440	300	320	305	305	325	305	320	315	325	310	300						
	CNT						1	4	14	23	26	28	26	26	22	20	10	6	4	1					
	UD								405	345	340	340	345	330	330	330	330	330							
	LQ								290	300	290	280	300	300	305	290	300	280							
h'F	MED	E 280	E 280	F 280	E 285	265	250	235	225	215	205	205	205	205	205	210	215	225	240	255	250	E 250	E 255	E 250	E 275
	CNT	27	24	23	24	26	25	25	21	15	22	24	23	23	26	26	28	25	23	24	28	27	23	24	25
	UQ	300	300	295	300	300	250	250	235	225	220	220	215	215	220	220	220	235	250	265	260	260	265	275	300
	LQ	265	270	265	265	260	240	230	215	210	200	200	200	200	205	205	210	215	235	255	245	245	245	250	255
M(3000)F2	MED	285	280	280	285	285	310	305	300	300	310	305	305	310	305	300	300	305	305	300	300	300	290	290	280
	CNT	24	23	22	19	25	23	26	20	22	23	28	27	28	28	27	27	21	21	21	12	8	4	17	20
	UQ	285	285	290	290	295	315	310	315	320	320	315	315	310	310	315	310	310	310	310	305	310	300	305	290
	LQ	280	275	270	265	270	295	295	290	295	295	300	295	300	295	295	295	300	295	295	295	295	285	280	275
foF1	MED							350	400	430	460	470	470	470	470	469	430	420	400						
	CNT						1	4	10	20	24	28	22	23	23	17	7	4	4	1					
foE	MED				E	E	160	225	270	300	305	320	325	325	320	320	305	280	240	200	E				
	CNT	1	4	3	6	21	21	25	24	24	22	20	15	15	8	13	18	18	20	18	20	1		1	1
h'E	MED					E	127	107	105	101	101	101	101	101	101	101	103	105	105	E 117					
	CNT					2	11	20	24	25	27	27	28	25	24	22	20	18	18	10					
foEs	MED	E 16	14	12	E 25	11	18	25	32	36	38	37	39	36	37	34	32	30	25	30	28	25	20	23	E 16
	CNT	27	24	23		27	26	28	25	26	280	28	27	29	27	26	28	25	25	24	28	28	25	26	26

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. AUGUST, 1961

TABLE [illegible]

[illegible] N, 71[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	46	43	40	42	48	50	53	58	[illegible]	63	65	62	62	60	60	60	[illegible]	61	65	67	U 65	61	[illegible]
	CNT	24	27	27	28	29	28	26	30	30	29	28	28	26	27	24	26	28	27	27	25	24	26	25	27
	UQ	54	51	47	44	46	52	53	57	61	66	70	68	68	66	66	64	61	63	65	70	73	71	65	55
	LQ	44	43	38	34	30	42	43	50	52	54	56	58	58	58	57	56	57	56	59	60	60	61	54	48
h'F2	MED					430	375	405	395	380	365	360	350	345	350	345	330	330	310	295					
	CNT					6	11	17	25	30	27	26	27	26	26	23	20	1	15						
	UQ					500	525	550	500	425	425	415	365	375	365	390	370	350	335	325					
	LQ					361	325	340	350	330	335	330	330	335	330	325	315	315	300	290					
h'F	MED	E 250	E 27[illegible]	E 280	280	265	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	215	[illegible]	230	245	[illegible]	[illegible]	[illegible]	[illegible]	E 275
	CNT	24	27	[illegible]	[illegible]	28	28	25	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	17	19	17	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]
	UQ	350	300	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	225	[illegible]	[illegible]	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300
	LQ	275	265	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	270	275	275	275	285	290	[illegible]	290	[illegible]	[illegible]	[illegible]	290	295	295	[illegible]	[illegible]	295	300	[illegible]	[illegible]	300	[illegible]	[illegible]	275
	CNT	22	23	25	24	26	24	21	26	25	[illegible]	[illegible]	27	22	[illegible]	24	[illegible]	25	25	[illegible]	18	15	12	15	21
	UQ	285	289	280	290	300	305	[illegible]	295	305	300	305	300	300	305	305	310	310	305	310	310	310	300	275	280
	LQ	265	265	265	270	275	280	275	275	280	275	280	285	[illegible]	[illegible]	280	285	295	[illegible]	[illegible]	295	290	285	285	270
foF1	MED					280	350	400	420	440	460	470	470	480	470	460	460	430	400	U 380					
	CNT						11	15	25	26	23	27	25	20	25	20	18	17	17	7					
foE	MED	E	E	E	E	130	[illegible]	25[illegible]	85	305	315	320	U 330	335	330	320	315	300	270	230	U 165	E			E
	CNT	[illegible]	[illegible]	6	23	18	25	25	29	30	28	23	19	14	20	16	23	24	23	24	20	16	1		4
h'E	MED					E 125	110	105	103	101	101	101	101	101	101	101	101	103	105	107					
	CNT					4	15	26	31	28	28	27	27	25	22	18	20	24	26	14					
foEs	MED	E 16	E	E	E	18	22	30	34	39	40	41	42	39	40	40	35	33	33	33	31	24	20	E 16	E 16
	CNT	29	27	27	28	29	27	26	31	30	290	29	29	28	28	24	26	29	27	28	26	26	26	27	29

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. JULY, 1961

TABLE [illegible]

[illegible] MORESBY, [illegible] 9.4[illegible], 47. TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	46	41	28	24	[illegible]	34	65	U 86	94	84	90	90	90	U 82	84	U 86	84	78	64	60	52	47	U 49
	CNT	21	19	18	20	19	14	19	20	20	17	16	15	17	17	18	17	19	23	22	20	22	21	21	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	220	[illegible]	[illegible]	245	310	[illegible]	230	[illegible]	210	[illegible]	190	185	185	190	200	190	200	220	210	200	200	200	230	210
	CNT	16	15	16	16	15	5	15	20	14	13	11	7	6	7	8	5	8	15	22	17	18	17	15	19
	UQ																								
	LQ																								
M(3000)F2	MED	330	325	345	330	310	300	310	350	350	350	340	335	335	330	310	320	330	340	330	325	330	320	305	320
	CNT	18	11	11	17	15	4	19	15	15	13	14	13	15	17	17	15	14	20	18	15	18	18	19	16
	UQ																								
	LQ																								
foF1	MED										450	470	480	440	480	460	450	410							
	CNT									4	14	16	15	16	15	14	12	5							
foE	MED							E 160	210	260	31[illegible]	330	340	350	340	330	320	290	235	E 175					
	CNT						3	6	15	13	16	17	15	13	14	17	18	16	13	6					
h'E	MED								130	100	100	100	100	100	100	100	100	100	110						
	CNT								13	12	15	16	14	12	13	16	17	15	12						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JULY, 1961

TABLE 23

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	335	31	335	30	27	26	45	65	70	75	72	75	76	79	69	65	65	55	595	55	46	36	36
	CNT	19	18	19	16	18	18	14	17	17	17	18	17	16	19	17	20	20	19	19	18	17	19	19	19
	UQ	40	40	43	43	37	34	30	52	70	77	85	91	79	86	85	77	74	73	58	67	66	54	45	41
	LQ	27	27	28	28	26	22	23	42	54	63	69	68	66	68	72	64	62	58	44	48	45	30	27	27
h'F2	MED											235	240	245	250	245	U 230								
	CNT										3	16	16	10	15	12	5								
	UQ											250	250	260	270	260	240								
	LQ											225	230	240	240	240	220								
h'F	MED	310	295	295	255	2625	255	270	240	220	220	2225	2075	195	2075	E 235	225	230	220	230	2425	230	230	E 300	310
	CNT	19	18	19	18	18	18	15	17	17	17	18	16	15	16	18	19	20	19	19	18	17	19	19	19
	UQ	340	315	320	285	295	280	310	260	230	230	240	225	210	220	245	230	230	225	260	260	250	240	320	350
	LQ	285	285	260	235	230	230	260	230	210	200	210	180	190	180	210	210	220	210	210	235	220	215	260	285
M(3000)F2	MED	280	2875	290	3075	305	305	290	340	360	350	365	370	3575	3475	3525	360	3575	350	310	320	320	320	2825	275
	CNT	19	18	19	16	18	18	14	17	17	17	18	16	16	18	16	16	18	19	19	17	16	18	18	19
	UQ	300	300	310	350	350	320	320	350	370	360	375	380	370	360	360	370	370	360	325	340	340	345	235	290
	LQ	270	280	280	290	290	290	280	325	355	335	345	350	340	330	345	340	340	330	300	305	320	320	270	265
foF1	MED																								
	CNT														2										
foE	MED								185	2275	270	290	310	U 320			U 265	U 230							
	CNT							1	5	10	9	5	6	5	4	4	5	5	2						
h'E	MED								E 161	119	111	111	109	109	109	111	U 119	121							
	CNT							2	5	15	16	17	16	15	13	9	9	7	1						
foEs	MED											315	33	35	32	34	29		22	25	25	23			
	CNT	19	19	19	19	18	18	15	17	17	170	18	17	17	19	18	20	20	19	19	18	18	19	19	19

SWEEP 1.0 MC TO 25.0 MC IN 35 SECONDS. JULY, 1961

TABLE 24

PORT MORESBY, PAPUA (9.4S, 147.1E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	O 46	U 45	36	26	24	26	34	64	82	U 84	79	82	U 86	U 85	79	76	U 74	U 76	68	60	60	45	41	46
	CNT	16	15	17	16	16	16	17	17	16	15	15	13	12	14	13	14	16	18	20	18	17	17	15	16
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	200	200	190	200	230	225	230	210	200	200			190				200	215	200	200	200	200	220	210
	CNT	18	15	14	6	13	8	14	15	15	6	4	2	5	2	4		9	10	19	14	12	9	8	14
	UQ																								
	LQ																								
M(3000)F2	MED	330	330	330	310	305	320	300	350	350	370	350	340	340	340	330	330	335	340	330	325	340	320	320	325
	CNT	7	10	10	12	13	11	15	14	12	12	14	11	8	9	12	12	13	14	16	15	12	15	12	12
	UQ																								
	LQ																								
foF1	MED									430	440	470	480	500	490	450	450	420							
	CNT									8	14	14	11	12	8	9	11	6							
foE	MED							E 160	210	260	310	340	U 350	360	350	330	320	290	225	E 160					
	CNT				2	1	1	6	14	15	15	16	12	8	8	10	13	13	9	5					
h'E	MED								U 110	100	100	100	95	95	100	95	95	100	100						
	CNT				1	1		2	13	16	15	16	14	11	7	11	13	12	12	1					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JUNE, 1961

TABLE 25

ATHENS, GREECE 138.0N, 23.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	44	44	43	43	40	41	55	68	80	86	93	95	100	98	94	92	90	81	70	59	55	52	48
	CNT	20	22	21	21	22	21	22	22	22	23	27	27	29	28	28	24	23	23	23	23	22	23	22	22
	UQ	52	48	48	48	45	43	44	60	71	86	90	98	102	104	102	98	98	98	95	87	62	59	57	55
	LQ	42	42	40	41	40	38	36	47	64	72	78	89	89	90	94	88	85	82	70	62	56	52	48	45
h'F2	MED										360	280	290	280	280	275	270								
	CNT										2	2	9	16	8	11	2								
	UQ												300	290	280	285									
	LQ												265	270	270	255									
h'F	MED	270	290	280	270	260	250	240	230	220	220	210	205	210	210	215	220	225	240	230	220	225	235	255	270
	CNT	20	22	21	21	22	22	22	22	22	24	27	27	29	26	28	25	23	23	23	23	23	23	22	22
	UQ	290	300	290	280	280	270	260	240	230	225	220	215	210	220	230	230	230	240	245	230	230	260	280	290
	LQ	255	270	270	260	240	230	230	225	210	210	200	200	200	200	210	210	220	230	220	220	215	230	240	225
M(3000)F2	MED	276	274	272	277	289	288	300	330	332	322	313	307	301	300	305	306	311	321	322	312	306	290	287	284
	CNT	20	22	21	21	22	21	22	22	22	24	27	27	29	27	28	24	23	23	23	23	22	23	22	22
	UQ	280	277	280	285	293	292	309	337	342	334	322	322	312	308	313	316	326	330	338	322	309	308	295	295
	LQ	266	266	264	270	277	276	283	316	320	310	289	298	291	297	300	302	304	308	317	306	289	278	273	275
foF1	MED										408	415	460	472	470	460	480								
	CNT										2	2	9	16	9	11	2								
foE	MED								170	240	282	312	330	340	348	335	322	295	245	188					
	CNT								19	21	24	25	27	29	24	27	25	23	21	16					
h'E	MED								121	111	105	103	101	103	105	105	107	107	111	115					
	CNT								10	21	24	25	26	28	24	27	24	22	19	9					
foEs	MED	E	E	E	E	E	E	E	E	E			E	E	E	E	E	E					E	E	E
	CNT	19	21	21	21	22	22	21	22	22	29	33	33	34	35	34	32	29	28	26	18	19	23	22	22
										24	240	27	27	29	26	28	25	23	23	23	22	21			

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. MARCH, 1961

TABLE 26

INVERNESS, SCOTLAND 157.4N, 4.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	22	20	21	20	20	22	21	20	0 25	54	67	76	84	83	83	80	68	60	49	39	33	30	24	26
	CNT	14	14	18	23	24	21	22	21	30	29	30	30	31	31	29	28	28	27	25	22	20	19	18	16
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	260	260	260	265	270	280	290	300	305	310	320	320	320	320	325	320	320	310	305	305	295	285	280	275
	CNT	8	10	12	16	18	16	15	12	9	29	29	28	30	28	28	21	24	20	21	20	14	13	8	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP JANUARY, 1961

TABLE 27

LINDAU/HARZ, GERMANY 51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	308	307	324	321	295	271	255	226	418	66	74	828	841	86	845	79	734	642	503	403	355	315	305	289
	CNT	18	19	20	18	16	20	22	23	28	28	30	30	30	31	31	31	31	31	30	31	26	23	21	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	280	274	289	290	274	263	257	251	233	225	223	228	225	223	230	224	222	214	220	233	243	253	263	270
	CNT	28	29	31	31	30	28	29	28	29	30	31	31	30	30	31	31	31	31	31	31	28	29	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	282	276	281	280	294	299	293	307	316	340	344	340	343	332	339	339	339	331	330	316	310	303	291	288
	CNT	14	19	19	12	11	14	19	17	25	27	29	30	30	31	31	31	31	30	29	28	24	20	19	12
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									E	190	233	250	265	265	252	226	186	E	E					
	CNT									18	12	20	25	22	23	25	24	15	13	1					
h'E	MED									E				109	109	119	122	E	E	E					
	CNT									27	4	2	3	3	2	2	2	3	22	1					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. JANUARY, 1961

TABLE 28

BAGUIO, LUZON 16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	66	48	34	28	26	28	65	91	106	106	100	100	104	110	110	118	118	110	102	100	99	80	68
	CNT	30	31	31	31	30	30	28	31	31	29	28	31	29	29	27	28	15	12	21	27	28	30	30	30
	UQ	70	71	63	43	35	32	31	71	102	113	110	107	108	108	115	116	126	125	119	106	106	102	90	77
	LQ	57	52	40	26	25	23	24	61	85	101	100	96	95	98	103	106	106	112	103	97	95	93	73	61
h'F2	MED									290	300	305	330	405	345	340	315	300							
	CNT									3	10	10	4	2	4	6	5	2							
	UQ																								
	LQ																								
h'F	MED	270	250	245	245	270	270	305	270	255	240	220	215	210	215	230	235	250	270	255	250	260	245	240	255
	CNT	31	31	31	29	27	24	25	31	31	29	24	25	20	22	27	26	21	27	28	30	30	31	30	31
	UQ																								
	LQ																								
M(3000)F2	MED	305	325	330	320	295	295	270	305	290	295	260	240	240	255	260	270	285	300	310	295	300	315	320	300
	CNT	30	31	30	30	27	28	26	31	29	27	23	24	28	28	25	24	15	11	17	24	23	25	29	29
	UQ	310	330	340	310	310	300	290	320	310	305	280	250	250	260	275	280	300	315	320	305	310	320	320	315
	LQ	295	320	320	295	280	265	260	300	280	265	235	230	225	235	255	255	275	290	305	290	290	300	300	280
foF1	MED												460	490	430	470	340								
	CNT												4	2	1	1	1								
foE	MED								210	275	310	340	350	350	350	340	325	285	225						
	CNT								19	23	27	26	25	16	17	19	16	11	11						
h'E	MED								131	123	121	121	121	121	121	121	121	121	127						
	CNT								17	25	29	24	25	20	20	21	16	15	8						
foEs	MED								19	30	36	41	42	46	48	40	43	38	32	28	24	28	24	16	
	CNT	31	31	30	30	30	30	31	30	31	300	29	31	30	30	31	31	29	29	30	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1961

TABLE [illegible]

TAHITI, SOCIETY IS. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	90	73	60	53	53	52	55	78	90	103	114	130	141	149	150	134	117	104	104	86	90	85	85	86
	CNT	27	28	27	26	23	16	29	30	30	31	29	31	31	31	30	31	29	29	28	30	27	28	28	26
	UQ																								
	LQ																								
h'F2	MED								U 252	282	315	425	390	375	330	305	290	300	300	U 240					
	CNT								4	8	11	13	25	27	28	29	28	17	5	2					
	UQ																								
	LQ																								
h'F	MED	240	230	255	272	290	275	252	230	225	210	205	210	220	210	218	220	220	225	250	290	325	318	290	275
	CNT	28	30	28	26	29	24	27	28	27	29	24	27	23	26	25	26	23	22	20	27	27	28	30	27
	UQ																								
	LQ																								
M(3000)F2	MED	320	302	288	290	288	290	300	310	278	265	265	270	270	290	295	295	288	280	265	260	260	265	280	298
	CNT	25	26	25	18	16	15	28	30	30	30	29	30	31	30	28	30	28	28	27	29	27	26	26	26
	UQ																								
	LQ																								
foF1	MED										U 480	U 520	510	520	500	500	U 510								
	CNT										1	[illegible]	[illegible]	11	11	14	1								
foE	MED	E	E	E	E	E	E	180	265	310	350	360	375	380	375	365	350	328	280	230	E	E	E	E	E
	CNT	4	6	12	16	12	18	8	16	19	14	16	17	17	19	19	18	22	21	9	14	13	14	9	4
h'E	MED	E	E	E	E	E	E	E	110	105	100	100	100	100	100	100	105	105	110	120	E	E	E	E	E
	CNT	5	6	12	16	12	18	18	18	14	20	24	24	23	19	16	14	10	17	18	22	14	14	9	4
foEs	MED	31	38	36	31	27	28	38	42	55	62	65	58	58	55	44	44	58	63	50	35	33	34	32	34
	CNT	30	27	22	25	22	29	27	28	27	290	30	31	31	30	29	31	27	28	27	29	26	24	28	30

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. JANUARY, 1961

TABLE [illegible]

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	64	54	46	42	36	35	51	64	72	81	85	90	98	99	88	86	84	82	78	79	79	74	68	66
	CNT	24	28	25	29	30	31	26	24	26	24	25	22	14	19	12	22	22	28	21	29	29	25	25	21
	UQ																								
	LQ																								
h'F2	MED					U 390			U 350	332	350	388	370	362	350	335	340	325	315						
	CNT					1			3	24	26	28	30	28	31	28	29	25	9						
	UQ																								
	LQ																								
h'F	MED	255	250	260	258	E 260	290	255	245	238	228	225	228	220	228	230	225	230	240	260	270	280	270	280	270
	CNT	25	22	24	27	29	27	30	31	28	26	26	20	19	20	21	24	23	24	27	29	28	29	31	28
	UQ																								
	LQ																								
M(3000)F2	MED	292	290	290	290	290	285	302	298	290	270	255	260	260	280	282	280	280	285	285	280	280	290	285	290
	CNT	24	28	25	29	30	31	26	24	26	24	25	22	14	19	12	22	22	28	21	29	29	25	25	21
	UQ																								
	LQ																								
foF1	MED					U 350			U 410	U 460	470	490	500	U 540	U 480	470	460	U 440							
	CNT					1			1	4	13	7	6	2	4	9	7	2							
foE	MED	E	E	E	E	E	E	140	260	315	345	365	380	380	375	360	340	310	270	195	E	E	E	E	E
	CNT	3	9	17	21	27	31	28	31	27	29	25	29	28	29	29	30	31	31	14	17	9	3	4	4
h'E	MED	E	E	E	E	E	E	E	120	115	112	110	110	U 105	110	110	115	120	125		E	E	E	E	E
	CNT	3	9	17	21	27	31	10	23	27	28	25	13	4	5	13	24	29	27		17	9	3	4	4
foEs	MED	23	22	21	20	20	17	22	31	36	28	27	29	C	U	39	36	33	31	28	25	24	24	25	23
	CNT	31	31	30	29	31	31	30	14	16	280	27	29	28	30	29	24	28	26	25	28	25	24	25	31

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. JANUARY, 1961

TABLE [illegible]

CANBERRA, AUSTRALIA (35.3S, 149.0E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 71	U 65	U 56	48	43	44	50	59	66	74	75	76	76	73	76	74	U 72	70	68	U 70	U 72	D 70	U 73	72
	CNT	25	25	25	24	24	22	22	21	20	18	20	24	22	24	22	23	26	26	28	27	26	26	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	290	295	280	280	285	290	310	300	290	295	290	285	280	280	285	290	290	290	300	290	280	280	270	280
	CNT	8	13	12	13	20	16	18	18	16	14	18	22	19	21	21	20	23	22	24	14	6	8	8	12
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. JANUARY, 1961

TABLE 32

CANBERRA, AUSTRALIA (35.3S, 149.0E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 73	D 63	58	52	49	50	57	60	69	74	76	76	78	81	81	80	80	76	77	78	U 80	D 70	D 72	U 77
	CNT	28	28	28	28	27	27	26	28	26	24	24	23	25	23	26	28	27	28	30	30	29	29	29	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	280	290	290	290	290	250	245	240	215	210	210	210	210	210	215	230	240	250	260	295	305	310	300
	CNT	26	28	28	26	27	26	25	24	23	20	15	15	17	16	19	21	26	25	26	26	23	23	25	25
	UQ																								
	LQ																								
M(3000)F2	MED	265	275	270	265	265	290	295	290	280	285	285	270	270	270	275	280	285	280	285	275	265	260	255	270
	CNT	8	8	12	13	15	16	20	20	19	20	17	18	19	20	18	20	20	22	19	17	9	6	7	7
	UQ																								
	LQ																								
foF1	MED							380	U 450	500	520	540	550	540	550	540	520	500	U 460						
	CNT						1	8	15	20	21	20	18	22	21	22	23	18	11	1					
foE	MED						190	250	300	335	360	370	380	380	370	360	350	340	310	255	U 200				
	CNT						24	26	27	28	26	22	23	22	19	18	20	25	28	25	23				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. DECEMBER, 1960

TABLE 33

WILKES STATION, ANTARCTICA (66.3S, 110.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 51	U 59	U 60	U 60	U 68	U 70	U 72	U 69	U 70	U 60	U 60	U 59	U 58	U 50	U 50	U 43	U 44	U 44	U 38	U 44	U 46	U 48	U 50	U 52
	CNT	20	17	19	18	15	15	18	15	19	17	22	20	22	22	19	19	19	14	16	16	22	18	21	18
	UQ	143	138	123	106	74	65	88	104	113	122	136	142	150	155	167	170	176	162	148	148	146	149	149	149
	LQ	109	86	82	63	44	38	67	89	89	98	118	132	141	148	145	156	154	142	142	142	100	89	100	90
h'F2	MED																	U 250	U 390	U 290	U 310	U 330	U 320	U 340	U 315
	CNT																	1	2	4	5	11	23	23	27
	UQ																								
	LQ																								
h'F	MED	240	230	230	240	220	220	230	220	240	240	250	280	275	U 270	245	250	U 250	250	245	270	U 250	260	260	250
	CNT	18	22	15	14	12	7	11	13	16	18	17	20	20	19	14	22	21	15	16	17	21	19	18	14
	UQ																								
	LQ																								
M(3000)F2	MED	U 255	U 260	U 260	U 260	U 240	U 240	U 240	U 240	U 250	U 240	U 245	U 250	U 260	U 260	U 250	U 260	U 270	U 275	U 255	U 275	U 275	U 280	U 280	U 275
	CNT	14	15	14	15	11	12	12	11	16	16	15	19	20	20	14	13	16	11	11	15	18	16	18	15
	UQ																								
	LQ																								
foF1	MED	U 400	U 410	U 430	U 450	U 450	U 440	U 440	U 420	U 420	U 400	U 360	U 310												U 400
	CNT	18	21	19	18	17	14	18	17	18	20	14	8	3								1	3	4	15
foE	MED	U 275	300	U 305	E 320	U 320	U 320	U 315	U 300	U 279	U 258	U 230	U 180	U 150	U 112	E 100	E 100	E 100		E 100	E 100	U 128	U 159	U 212	U 250
	CNT	14	13	11	11	8	6	7	11	8	10	17	15	20	14	9	7	5	4	7	8	8	16	12	13
h'E	MED	110	110	100	110	100	100	110	105	110	110	120	120	110	E 10	E 13	E 11	E 6	E 5	E 4	E 6	E 8	E 8	110	110	110
	CNT	16	20	18	19	13	13	11	14	15	16	14	12										9	11	15
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. OCTOBER, 1960

TABLE 34

FORMOSA, CHINA (25.0N, 121.5E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 119	U 120	U 114	U 81	56	44	72	U 98	U 103	U 113	U 124	U 140	D 146	D 150	D 154	D 165	D 165	D 147	D 140	D 146	D 142	D 142	D 132	D 142
	CNT	27	25	26	28	25	26	30	29	30	28	27	28	30	29	29	29	29	28	29	28	25	27	26	29
	UQ	143	138	123	106	74	65	88	104	113	122	136	142	150	155	167	170	176	162	148	148	146	148	148	149
	LQ	109	86	82	63	44	38	67	89	89	98	118	132	141	148	145	156	154	142	142	142	100	89	100	90
h'F2	MED									U 250	U 390	U 290	U 310	U 330	U 320	U 340	U 315	U 275	U 260						
	CNT									1	2	4	5	11	23	23	27	18	6						
	UQ																								
	LQ																								
h'F	MED	U 250	245	U 220	200	210	U 245	235	220	U 215	U 205	U 195	U 200	E 215	U 210	U 210	U 220	U 230	240	240	U 245	230	245	255	250
	CNT	29	29	27	27	28	27	30	29	30	26	26	27	26	27	26	29	28	27	29	28	26	27	27	29
	UQ																								
	LQ																								
M(3000)F2	MED	290	U 300	U 330	330	320	300	320	335	U 320	285	285	280	U 280	275	U 280	U 300	U 305	U 280	U 315	U 315	U 275	U 270	U 285	U 290
	CNT	7	13	12	22	24	24	24	21	25	17	16	19	14	5	7	10	5	1	3	3	3	3	5	6
	UQ	320	310	330	345	315	330	330	350	330	300	300	295	310	310	310	310	310		330	320	290	285	305	315
	LQ	285	280	300	315	285	285	315	320	310	280	270	270	275	275	275	280	280		310	315	270	260	275	275
foF1	MED										U 530	U 530		U 540	U 005	U 610	U 520								
	CNT										1	1		1	2	2	1								
foE	MED							U 295		U 345	U 385			J 480	J 415	U 395	U 365	U 325							
	CNT							1		1	1			1	1	3	6	6							
h'E	MED							111		109	105	U 105	99	E 107	U 106	U 107	107	111	E 109						
	CNT							3		19	15	11	3	5	3	14	16	15	1						
foEs	MED																								
	CNT	30	29	28	28	28	25	30	32	40	42	41	39	42	46	44		35	47	38					
								6	26	28	260	28	26	28	28	28	26	26	15	23	29	29	29	30	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1960

TABLE 35

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	107	122	115	116	123	105	79	72	58	52	73	95	112	120	126	130	130	132	135	132	122	122	119	117
	CNT	12	13	14	19	17	22	26	25	21	23	25	27	28	26	19	19	13	22	18	22	25	23	22	14
	UQ	126	128	125	130	128	115	90	85	82	62	84	108	119	130	135	133	136	152	151	140	130	130	128	124
	LQ	96	100	98	106	84	87	72	62	47	41	66	87	97	110	113	126	122	130	127	122	115	108	108	104
h'F2	MED												U 300	275	290	320	325	345	345	340	305	340	305		
	CNT												5	17	23	24	23	20	26	24	20	15	11		
	UQ																								
	LQ																								
h'F	MED	285	270	260	260	240	215	225	250	240	250	240	235	230	235	U 250		U 200	U 225	230	215	230	250	290	310
	CNT	27	27	27	27	26	27	27	26	27	27	25	27	26	16	3		1	2	7	11	19	22	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	265	270	280	275	300	315	295	290	300	295	315	315	305	290	275	275	270	275	280	280	265	260	260	260
	CNT	12	13	14	19	17	22	26	25	21	24	25	27	28	26	19	19	13	22	18	21	25	23	22	14
	UQ																								
	LQ																								
foF1	MED												U 430	U 440			U 560			U 600					
	CNT												1	1			2			1					
foE	MED											220	300	360	U 380	U 410			U 410	400	370	320	260	E	
	CNT											22	25	16	2	4			4	6	9	19	8	16	
h'E	MED										E		100	100	100	U 100	U 100			100	100	100	100	E	
	CNT										22		26	23	6	1	2			5	8	10	19	12	17
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. SEPTEMBER, 1963

TABLE 36

BUENOS AIRES, ARGENTINA (34.5S, 58.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	89	76	82	72	49	45	66	87	102	106	120	130	136	136	130	132	124	120	115	120	114	118	101	87
	CNT	19	17	22	24	22	24	22	25	18	21	15	18	20	22	22	22	20	17	14	15	13	10	17	13
	UQ																								
	LQ																								
h'F2	MED										U 255	280	300	300	300	300	285	U 265							
	CNT										4	8	10	17	13	9	10	4							
	UQ																								
	LQ																								
h'F	MED	280	280	270	240	230	290	260	240	240	235	230	235	245	230	240	230	235	250	250	250	250	260	270	290
	CNT	26	26	26	26	24	25	27	28	24	24	17	16	12	13	19	27	24	25	25	24	23	26	26	25
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	290	290	285	260	300	320	310	300	295	280	290	280	280	290	290	300	300	280	275	285	275	260
	CNT	18	17	22	23	22	24	21	24	17	18	13	18	20	22	22	22	20	15	10	10	6	6	14	13
	UQ																								
	LQ																								
foF1	MED											U 550		U 470											
	CNT											1		1											
foE	MED							220	280	315						U 420		300	245						
	CNT							14	21	6						1		9	6						
h'E	MED							159	119	112	111	111	111	119	115	115	117	115	U 109						
	CNT							5	16	21	25	20	19	18	17	19	24	16	3						
foEs	MED																34								
	CNT	26	26	26	26	26	25	27	28	26	280	28	28	27	27	27	28	26	26	25	25	23	27	27	25

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1960

TABLE 36

MAWSON, ANTARCTICA 67.6S, 62.9E TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 48	U 50	U 53	U 54	U 65	U 68	U 72	82	93	100	101	95	U 82	U 70	U 61	U 53	U 46	U 42	U 36	U 44	U 44	U 48	U 43	U 44
	CNT	21	19	21	25	23	22	22	23	25	27	27	28	28	28	25	18	17	11	19	19	18	22	23	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 275	300	U 280	U 280	U 280	U 265	U 250	250	U 250	250	255	260	250	260	250	275	U 295	285	275	270	300	280	300	E 295
	CNT	21	18	20	21	17	17	14	18	16	22	23	26	28	28	25	19	17	12	18	18	16	18	23	19
	UQ																								
	LQ																								
M(3000)F2	MED	U 255	U 255	260	U 270	U 250	U 265	U 260	260	260	260	260	U 270	U 280	U 285	U 280	U 285	U 280	U 280	U 290	U 280	U 265	U 260	U 260	U 255
	CNT	19	15	19	21	21	20	21	23	24	26	26	28	28	28	23	16	12	9	17	15	11	17	21	18
	UQ																								
	LQ																								
foF1	MED				380	U 430		U 480	470	480	470	U 430													
	CNT				6	7	4	9	6	8	9	9	3												
foE	MED	E 100	E 100	E 100	280	320	320	330	330	320	300	280	E 170	220	E 150	E 100	E 100	E 100		E 100	E 100		F 100	E 100	E 100
	CNT	13	9	13	18	17	16	19	17	14	17	16	14	15	16	17	12	8	3	6	6	3	5	13	11
h'E	MED	E	E	E	125	115	110	110	110	115	120	130	E	E	E	E	E	F		E	E		E	E	E
	CNT	13	9	13	18	17	14	18	16	12	16	15	13	14	16	17	12	8	3	6	6	3	5	13	11
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. SEPTEMBER, 1960

TABLE 38

BUENOS AIRES, ARGENTINA 34.5S, 58.5W TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	53	56	54	44	35	40	67	82	88	96	120	124	112	117	111	102	102	102	75	84	82	65	57
	CNT	13	14	16	18	16	16	13	16	14	11	11	9	12	14	13	13	14	10	10	8	9	13	8	9
	UQ																								
	LQ																								
h'F2	MED										U 275	285	280	300	290	270	260	U 250							
	CNT										4	6	12	13	15	16	9	3							
	UQ																								
	LO																								
h'F	MED	300	290	265	250	220	265	285	245	235	240	220	225	230	230	230	230	235	240	215	220	235	230	250	280
	CNT	19	19	19	18	18	17	15	18	17	14	11	8	11	11	18	15	17	18	17	15	18	19	19	19
	UQ																								
	LQ																								
M(3000)F2	MED	270	280	280	300	320	270	280	320	340	340	300	310	310	310	315	320	310	320	320	310	300	310	300	275
	CNT	13	14	16	18	15	16	12	15	14	8	8	8	10	14	11	12	13	8	8	6	9	12	8	9
	UQ																								
	LQ																								
foF1	MED											U 580				U 460									
	CNT											1				1									
foE	MED								240	310	U 330				U 320		U 325		U 220						
	CNT								7	7	2				1		2		3						
h'E	MED								U 159	115	119	117	119	117	119	114	109	119	103						
	CNT								3	11	13	12	13	14	15	10	8	7	2						
foEs	MED										34	36													
	CNT	19	19	19	18	19	19	19	19	19	160	16	16	17	19	19	17	17	19	18	19	19	19	19	19

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1960

TABLE 39

WILKES STATION, ANTARCTICA 66.3S, 110.5E TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 42	U 50	U 53	U 58	U 64	U 64	U 72	U 66	U 69	U 60	U 56	U 46	U 48	U 45	U 40	U 38	U 39	U 32	U 34	U 33	U 35	U 32	U 34	U 35
	CNT	30	25	26	28	24	28	25	25	23	24	24	23	19	24	27	19	21	21	23	19	18	19	21	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	265	245	240	250	250	245	255	260	270	270	280	300	310	270	U 270	U 255	250	255	235	255	245	U 250	U 250	245
	CNT	21	24	25	24	24	18	16	20	25	26	25	21	20	22	25	26	21	24	26	23	23	21	22	20
	UQ																								
	LQ																								
M(3000)F2	MED	U 285	U 290	U 290	U 280	U 280	U 255	U 250	U 260	U 255	270	U 245	U 240	U 240	U 260	U 270	U 275	U 280	U 280	U 290	U 280	U 290	U 275	U 270	U 280
	CNT	19	20	22	20	14	23	16	21	19	18	17	15	14	15	22	16	14	17	19	16	13	15	11	16
	UQ																								
	LQ																								
foF1	MED				U 370	U 380	U 370	U 380	U 359	U 300															
	CNT	1	1	3	11	8	21	16	15	11	3														
foE	MED	E 140	U 180	U 200	200	U 255	U 250	U 250	U 230	U 180	U 145	U 120	E 115												E 110
	CNT	15	18	14	7	6	5	5	8	19	22	15	8	4	2		1	1	1	2	2		2	2	6
h'E	MED	E		115	120	115	110	115	120	120	U 180	E	E												E
	CNT	11		8	9	8	6	6	7	7	5	12	9	4	2			1	1	2	2		2	1	5
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. AUGUST, 1960

TABLE 40

MAWSON, ANTARCTICA 67.6S, 62.9E TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 39	U 42	U 42	U 46	U 53	U 58	U 66	U 70	U 76	U 82	U 92	94	U 80	U 62	U 47	U 40	U 35	U 39			U 36	U 33	U 40	U 41
	CNT	16	9	15	17	15	19	22	25	26	27	27	28	29	26	20	10	5	6	4	2	7	8	10	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 310	U 330	U 335	U 380	U 320	U 285	U 275	U 275	U 260	U 255	U 250	U 245	U 250	U 250	U 260	U 260	E 300	E 300			E 320	E 325	310	300
	CNT	16	8	14	16	14	19	22	24	24	26	26	28	29	27	21	10	5	5	4	2	6	8	10	10
	UQ																								
	LQ																								
M(3000)F2	MED	U 260	U 250	U 265	U 250	U 270	U 285	U 290	U 280	U 280	U 275	U 290	U 285	U 290	U 295	U 280	U 290	U 290	U 300			U 275	U 270	U 270	U 275
	CNT	14	8	13	16	14	17	21	25	25	27	27	28	29	25	20	9	5	5	3	2	5	5	8	10
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E 100										E 100	E 100	E 100		E 100	E 100								
	CNT	8	3	4	2	1	2	2	1	3	3	7	10	17	100	13	10	3	1	1	2	2	1	1	4
h'E	MED	F										E	E	E	E	E	E								
	CNT	8	3	4	2	1	2	2	1	4	3	7	10	17	18	13	10	3	1	1	2	2	1	1	4
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. AUGUST, 1960

TABLE 41

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	64	60	57	52	52	57	60	65	63	67	68	72	72	71	73	70	68	66	68	68	67	70	69	67
	CNT	25	29	26	27	26	27	25	26	27	26	29	29	28	29	29	26	27	26	25	26	26	24	23	25
	UQ																								
	LQ																								
h'F2	MED					345	375	450	385	410	405	410	400	380	390	395	390	390	375	380	385				
	CNT					6	10	12	18	19	22	24	27	25	26	23	19	18	15	4	2				
	UQ																								
	LO																								
h'F	MED	300	300	300	305	300	260	245	235	230	225	220	220	220	220	220	225	225	230	255	270	285	280	290	290
	CNT	27	29	28	27	26	26	28	22	21	21	19	23	25	26	23	24	23	23	23	22	24	24	26	27
	UQ																								
	LO																								
M(3000)F2	MED	260	260	260	260	270	270	270	270	270	280	270	270	270	270	275	275	280	280	290	290	285	280	270	265
	CNT	25	29	26	26	26	28	26	27	27	26	29	30	28	30	29	26	27	26	24	26	26	23	23	25
	UQ																								
	LO																								
foF1	MED					U 290	350	420	440	470	500	510	520	520	520	520	520	500	470	420	380				
	CNT					3	7	11	18	19	20	23	25	25	27	20	16	13	7	3	1				
foE	MED				U	U																			
	CNT				115	145	220	265	300	325	340	355	360	365	365	360	355	330	315	280	255	175			
					2	16	20	25	25	25	20	17	13	3	11	11	18	20	20	19	19	12			
h'E	MED																								
	CNT																								
foEs	MED	18	15	14	14	18	25	30	35	38	40	42	42	40	40	40	G	35	35	35	30	28	27	22	25
	CNT	4	12	20	19	20	24	25	28	28	270	28	26	23	22	22	20	19	20	21	24	21	16	10	7

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS. JULY, 1960

TABLE 42

WARSAW, POLAND (52.1N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 62	58	56	52	54	U 60	U 61	67	U 70	73	71	76	74	70	73	70	69	70	U 70	U 74	U 71	U 72	U 70	U 62
	CNT	26	27	27	25	26	26	22	25	27	28	27	26	28	26	29	26	27	28	24	26	21	20	23	25
	UQ	67	66	60	58	58	64	68	73	79	78	80	80	78	78	76	74	74	74	73	80	76	74	70	67
	LQ	53	49	49	45	46	51	50	60	61	64	65	65	67	64	66	66	63	64	64	68	62	64	60	56
h'F2	MED					360	335	350	330	360	370	370	370	370	370	370	380	350	320	295					
	CNT					9	16	19	25	27	28	28	27	27	23	28	22	20	23	14	2				
	UQ					420	420	395	380	430	420	420	435	420	425	390	405	390	350	315					
	LO					325	320	310	300	330	350	350	350	350	360	360	350	340	290	285					
h'F	MED	E 295	E 295	E 290	315	280	255	235	230	225	230	210	215	215	210	220	225	230	240	250	275	265	E 270	E 270	E 285
	CNT	27	27	27	25	26	26	26	24	25	26	23	25	27	25	27	26	27	25	22	25	27	26	29	29
	UQ	300	305	300	325	290	270	250	240	265	255	235	225	220	220	240	240	240	245	260	280	280	290	290	300
	LQ	280	270	275	280	270	250	230	230	245	230	205	205	205	200	215	215	220	230	245	265	260	255	255	270
M(3000)F2	MED	260	260	260	260	270	280	290	280	270	275	275	275	275	270	275	275	280	280	U 290	U 285	U 285	U 280	U 270	U 265
	CNT	18	21	21	20	22	22	19	24	18	23	23	24	25	26	27	24	22	22	18	17	14	8	11	13
	UQ	270	270	270	270	285	285	300	290	280	285	285	285	280	275	280	280	285	295	290	290	290	290	275	275
	LQ	250	250	255	250	260	270	270	270	265	260	265	260	260	260	265	270	270	280	285	280	280	270	260	260
foF1	MED					300	365	430	470	500	500	515	520	530	520	500	500	490	460						
	CNT					3	7	14	17	20	21	20	20	26	20	19	17	13	10	1					
foE	MED	E	E	E	E	180	230	280	310	330	345	360	370	370	365	360	335	320	295	245	190	E			
	CNT	3	11	12	18	14	23	26	25	28	25	27	20	18	22	19	19	22	20	21	16	8	2	2	1
h'E	MED					121	115	107	103	101	101	101	101	99	101	101	103	103	105	113	125				
	CNT				2	9	22	28	27	29	29	28	27	26	27	29	27	28	27	23	10	1			
foEs	MED	E				G																			
	CNT	16	18	12	12	26	25	34	38	43	45	44	42	40	40	40	40	36	36	33	38	32	32	E 16	E 16
		27	27	27	24	27	28	28	27	29	290	28	27	28	28	29	28	28	27	25	27	27	27	29	29

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. JULY, 1960

TABLE 43

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	663	633	583	56	522	543	593	638	634	673	691	74	744	721	72	719	715	703	718	722	725	725	715	695
	CNT	26	27	26	23	26	28	28	28	27	28	30	27	29	30	30	30	29	30	30	30	30	29	29	29
	UQ																								
	LQ																								
h'F2	MED						414	395	383	385	392	387	376	374	400	387	370	372	412	332	276				
	CNT						8	15	19	23	18	22	23	23	27	22	24	18	9	5	1				
	UQ																								
	LO																								
h'F	MED	285	286	288	295	300	264	248	232	227	221	221	212	218	213	214	222	220	236	239	249	270	261	266	267
	CNT	26	28	27	26	27	26	25	25	22	19	24	21	25	24	26	25	23	24	25	21	25	24	25	27
	UQ																								
	LO																								
M(3000)F2	MED	263	260	255	261	264	263	273	275	274	269	274	271	274	273	273	278	279	280	285	290	287	283	270	270
	CNT	23	27	25	23	24	26	27	28	27	27	29	25	29	30	29	29	29	30	30	30	29	28	27	28
	UQ																								
	LQ																								
foF1	MED						338	395	445	470	500	510	525	520	530	535	520	490	475	440	400				
	CNT						8	15	21	23	19	23	25	23	26	21	23	18	9	5	1				
foE	MED				E	E	202	252	290	315	340	352	365	370	367	367	358	340	316	288	244	192	E		
	CNT				2	10	5	17	21	22	24	26	20	15	15	10	15	12	19	20	11	2	12		
h'E	MED				E	E	104	109	104	102	101	100	100	100	101	102	103	102	103	104	109	E	E		
	CNT				2	22	4	17	27	27	280	30	27	29	30	29	28	25	23	24	15	2	18		
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. JULY, 1960

TABLE 44

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 46	45	44	41	38	36	27	68	91	103	112	117	117	116	110	112	115	U 115	U 112	U 94	U 79	U 67	U 59	U 54
	CNT	8	11	14	15	22	20	19	27	28	29	27	28	29	28	26	25	24	24	27	24	21	21	9	8
	UQ	53	48	45	46	47	42	37	72	94	108	117	120	122	122	120	116	119	119	117	102	86	70	69	61
	LQ	44	42	42	37	33	30	23	64	86	99	106	112	110	106	106	106	108	110	98	89	66	62	57	49
h'F2	MED											U 310													
	CNT										3	4	6	2	1										
	UQ																								
	LO																								
h'F	MED	330	280	260	260	250	240	240	250	230	220	210	200	200	190	190	200	220	235	260	260	320	370	395	370
	CNT	25	25	26	26	26	26	24	27	26	26	22	24	26	24	20	18	21	20	23	24	25	26	27	23
	UQ																								
	LO																								
M(3000)F2	MED	U 285	290	310	310	310	320	320	325	320	310	290	260	240	240	240	240	245	250	U 260	U 270	U 245	U 230	U 250	U 280
	CNT	8	10	12	13	19	18	17	24	26	25	22	27	27	27	23	21	20	21	23	20	19	20	8	5
	UQ																								
	LO																								
foF1	MED														1										
	CNT																								
foE	MED								215	290	335	365	380	390	390	380	360	330	290	210					
	CNT								26	28	29	25	23	25	22	24	22	22	21	22	1				
h'E	MED								121	109	105	105	105	105	105	105	108	109	111						
	CNT							11	16	25	23	21	21	20	16	15	14	12	11	1					
foEs	MED	U 39	U 36	U 33	U 31	E 10	E 10	E 20	U 22	U 30	U 36	U 50	U 56	U 58	U 58	U 57	U 58	U 53	U 48	U 42	U 40	U 38	U 37	U 41	U 36
	CNT	11	12	13	15	13	15	18	26	27	290	26	27	29	29	25	25	25	25	24	19	14	18	15	13

SWEEP 1.0 MC TO 25.0 MC IN 35 SECONDS. JULY, 1960

TABLE 46

BUENOS AIRES, ARGENTINA (34.5S, 58.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	45	45	43	44	33	30	55	78	88	96	95	98	105	108	105	100	90	80	70	71	73	61	52
	CNT	28	27	27	22	24	24	23	27	26	22	20	21	20	14	18	17	18	13	11	14	19	17	19	22
	UQ																								
	LQ																								
h'F2	MED										255	260	260	270	260	270	245	245							
	CNT										5	16	17	19	17	20	13	3							
	UQ																								
	LQ																								
h'F	MED	280	280	280	260	250	230	270	250	230	240	230	230	225	220	230	235	240	225	210	220	240	230	240	255
	CNT	31	30	30	21	29	27	21	31	30	30	25	28	23	29	27	26	28	30	29	27	30	31	29	30
	UQ																								
	LQ																								
M(3000)F2	MED	275	275	290	290	315	280	290	320	335	330	330	330	325	320	320	325	330	325	335	300	310	310	305	300
	CNT	27	27	25	21	24	21	21	27	25	20	18	18	18	16	14	14	13	10	11	13	19	17	19	22
	UQ																								
	LQ																								
foF1	MED														U	U									
	CNT														440	460									
															1	1									
foE	MED								U							U		U	U						
	CNT								200	270	310	320				320	320	260	240						
									3	13	6	1				1	6	3	2						
h'E	MED								U			U						U							
	CNT								169	119	119	119	119	119	119	121	119	115							
									2	9	21	23	23	26	24	20	14	1							
foEs	MED																								
	CNT	31	31	30	31	30	30	29	31	31	30	34	37	31	30	30	30	30	30	31	29	31	31	30	31
											310	29	29												

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

JULY, 1960

TABLE 47

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			1	1	U	U	U						U	U	U									
	CNT				2	4	56	58	67	70	80	86	80	70	56	40		1	1		2	3	2		
	UQ						6	17	15	22	20	24	24	27	20	11									
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED			1	1	U		U																	
	CNT				2	4	340	300	290	285	275	250	250	270	255	290	1	1	1		2	3	2		
	UQ						6	18	15	22	20	23	24	27	20	11									
	LQ																								
M(3000)F2	MED			1	1	U		U						U	U	U									
	CNT					3	270	280	290	290	290	290	270	280	295	280			1		2	2	2		
	UQ						5	15	13	22	19	22	24	25	19	9									
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										E	E	E	E	E	E									
	CNT			1				1	1	4	100	100	100	100	100	100	2	1			2	1	1		
											6	6	10	15	12	7									
h'E	MED										E	E	E	E	E	E									
	CNT			1					1	4	6	6	10	15	12	7	2	1			2	1	1		
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS.

JULY, 1960

TABLE 48

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	63	59	55	56	59	63	61	64	68	70	70	68	70	70	69	69	70	67	70	73	75	78	71
	CNT	25	25	25	27	26	26	26	25	26	23	23	24	24	24	25	25	25	25	21	22	24	23	23	23
	UQ																								
	LQ																								
h'F2	MED				460	375	385	400	400	400	405	405	400	395	420	405	395	380	370	345	320				
	CNT				1	7	7	11	19	20	18	21	18	17	17	18	21	15	8	4	6				
	UQ																								
	LQ																								
h'F	MED	300	300	300	310	300	270	240	230	230	220	230	225	225	220	220	220	230	230	235	280	280	290	290	290
	CNT	25	25	25	26	24	23	21	20	18	14	18	20	15	10	16	17	18	13	10	14	21	20	22	25
	UQ																								
	LQ																								
M(3000)F2	MED	255	260	260	260	260	260	265	260	265	265	265	260	270	260	265	265	270	280	280	280	280	275	260	260
	CNT	24	25	24	27	26	26	26	24	25	22	23	23	22	22	23	25	25	25	20	22	24	23	23	23
	UQ																								
	LQ																								
foF1	MED				210	300	370	420	450	480	500	510	510	510	510	500	500	500	460	420					
	CNT				1	6	5	12	19	20	15	18	16	18	13	15	17	13	6	1					
foE	MED				125	165	230	280	310	335	350	360	370	375	375	370	360	345	320	290	250	200	145		
	CNT				3	16	16	23	19	17	14	12	8	3	5	5	11	15	21	19	17	8	1		
h'E	MED																								
	CNT																								
foEs	MED	30	16	15	19	21	26	32	37	39	40	41	42	42	44	40	40	41	40	40	39	29	28	30	30
	CNT	7	13	18	26	21	23	23	21	24	250	23	23	25	18	21	22	20	22	18	20	22	18	14	7

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS.

JUNE, 1960

TABLE 49

WARSAW, POLAND (52.1N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 64	63	59	54	58	64	65	68	72	76	75	79	79	72	76	74	73	75	74	71	U 74	U 75	O 70	U 72
	CNT	24	25	25	26	26	28	23	26	26	25	25	21	23	24	24	26	27	25	25	27	26	27	23	27
	UQ	71	68	62	63	63	71	79	82	84	85	82	84	86	82	80	78	78	80	81	80	80	75	75	72
	LQ	61	56	52	50	51	56	57	60	62	68	69	70	70	70	69	67	65	65	64	63	63	65	64	61
h' F2	MED						365	380	360	405	370	380	370	360	385	365	360	355							
	CNT					2	9	13	19	17	21	15	16	18	18	12	12	9	3	2					
	UD						410	530	430	445	395	445	400	395	435	390	385	370							
	LD						340	340	340	335	335	355	335	340	350	350	355	340							
h' F	MED	E 295	U 290	290	300	270	250	245	240	230	220	225	225	220	220	225	225	230	240	250	260	260	U 265	U 280	E 290
	CNT	25	25	25	26	27	26	25	20	19	20	20	20	18	19	18	21	20	16	16	25	25	25	26	27
	UD	310	295	300	305	275	265	250	245	240	245	235	230	225	225	230	235	240	250	265	285	290	300	290	300
	LD	275	275	280	285	255	250	240	230	220	215	220	215	210	215	215	215	225	230	250	255	275	260	275	275
M(3000)F2	MED	260	260	255	270	265	270	270	280	270	275	275	270	275	275	275	280	280	285	290	285	280			
	CNT	11	14	17	17	17	18	17	19	17	16	19	17	20	21	20	24	24	20	14	10	10	1	1	3
	UQ	265	260	270	270	275	275	280	290	280	285	280	285	285	285	280	280	285	290	295	290	290			
	LQ	250	255	255	260	255	265	260	265	260	270	260	265	270	265	270	275	280	280	285	285	275			
fo F1	MED						400	440	460	500	500	500	510	510	510	500	500	470							
	CNT					2	8	16	18	18	20	18	14	16	17	12	9	7	1	1					
fo E	MED	E	E	E	105	190	240	295	315	330	350	370	375	375	370	360	345	320	300	250	195	E 140	E	E	E
	CNT	14	19	23	23	15	24	27	28	26	23	24	21	20	13	18	17	20	25	25	26	25	15	13	15
h' E	MED					105	107	103	101	101	101	101	101	101	101	101	101	101	103	107					
	CNT				1	6	14	26	29	29	26	27	24	25	23	24	25	26	25	19	2				
fo Es	MED	E 16	E	10	13	22	29	32	40	41	44	42	42	42	41	40	39	40	38	35	30	24	20	17	E 16
	CNT	25	25	25	27	26	27	28	29	29	280	27	25	27	25	26	27	27	26	27	28	27	28	28	29

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. JUNE, 1960

TABLE 50

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	691	659	608	58	559	591	614	625	648	71	755	753	737	716	725	728	741	73	709	745	774	755	778	734
	CNT	28	30	30	30	30	30	30	30	29	28	29	30	30	28	29	28	27	28	30	29	29	30	30	30
	UD																								
	LD																								
h' F2	MED					395	367	444	390	393	370	364	369	379	385	378	374	358	334	308	283				
	CNT					1	7	9	18	22	22	26	26	26	25	25	20	19	9	3	1				
	UD																								
	LD																								
h' F	MED	283	292	290	294	305	262	242	234	227	220	220	221	219	216	226	221	229	231	240	252	268	273	271	280
	CNT	28	29	29	28	27	29	28	27	26	22	21	25	24	23	22	22	22	18	17	17	27	28	27	29
	UD																								
	LD																								
M(3000)F2	MED	262	258	256	259	262	266	268	275	269	272	273	276	273	272	275	276	278	285	283	287	286	277	273	267
	CNT	25	28	28	28	28	24	29	28	28	27	28	30	30	27	29	28	26	26	28	29	29	29	28	27
	UQ																								
	LQ																								
fo F1	MED					244	345	388	445	482	488	515	523	528	538	520	520	500	475	435	380				
	CNT					1	7	9	18	21	22	25	24	26	24	24	18	19	9	3	1				
fo E	MED				E	E	208	261	295	320	341	358	365	374	371	372	361	348	322	288	251	199	E		
	CNT				8	10	7	20	24	25	28	26	18	17	18	15	14	18	19	23	13	6	6		
h' E	MED				E	E	113	108	105	101	100	100	100	100	100	102	102	103	103	106	108	110	E		
	CNT				8	24	7	23	28	30	280	29	29	27	28	25	26	28	27	24	16	1	20		
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. JUNE, 1960

TABLE 51

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	18	17	18	19	20	21	22	23
fo F2	MED	65	61	56	55	54	62	64	73	74	75	80	76	73	76	73	72	70	71	76	74	74	74	71	67
	CNT	26	27	26	27	26	24	25	21	22	21	20	22	23	25	24	25	29	29	29	27	26	24	28	26
	UD	69	66	59	54	59	68	76	82	79	84	86	84	81	80	78	79	76	79	81	82	83	81	75	75
	LD	59	56	54	49	50	53	58	59	67	71	73	66	68	67	68	68	65	66	68	65	66	67	67	63
h' F2	MED					345	370	368	370	365	340	335	360	360	365	365	360	350	330	300					
	CNT					8	11	12	15	13	19	15	20	19	19	18	15	13	15	9					
	UD					382	450	470	435	412	350	350	400	410	400	390	395	395	360	322					
	LD					308	330	360	310	318	315	310	335	325	350	355	340	315	300	288					
h' F	MED	290	300	295	310	278	252	235	225	218	216	U 220	U 224	U 220	U 220	U 229	U 226	U 228	232	254	268	265	262	270	290
	CNT	29	29	28	27	27	26	27	27	23	22	22	22	23		24	26	29	30	29	28	29	26	29	27
	UQ	300	312	305	330	290	264	248	240	232	240	300	320	315	345	345	330	305	290	269	275	274	280	300	300
	LQ	280	280	280	295	270	245	230	220	215	210	220	210	215	215	220	220	228	230	250	260	260	252	260	270
M(3000)F2	MED	265	260	265	265	270	278	285	282	285	285	288	282	282	285	285	285	290	295	295	295	290	280	275	270
	CNT	25	27	26	27	26	24	25	20	22	20	20	22	22	25	24	25	29	29	29	27	26	24	28	26
	UQ	275	275	275	270	280	285	295	295	290	295	300	295	290	292	290	290	295	300	305	300	300	285	280	280
	LQ	265	255	260	255	260	268	270	275	270	280	275	275	270	278	275	280	285	285	290	290	285	275	268	270
fo F1	MED					295	370	420	460	480	512	550	540	530	510	518	498	470	430						
	CNT					1	8	7	9	10	6	3	7	4	10	6	8	5	6						
fo E	MED				E 120	190	240	272	305	328	350	360	370	368	365	360	350	325	295	255	205	E 170			
	CNT				5	7	11	20	25	22	13	9	9	2	7	7	11	15	22	23	11	8			
h' E	MED				E 181	U 109	110	107	105	105	105	105	105	104	105	105	105	106	108	111	E 125	E 139			
	CNT				1	21	26	27	28	22	27	25	27	22	27	28	30	28	29	29	20	2			
fo Es	MED	14	13	13	15	22	28	32	37	39	40	46	46	42	42	43	39	37	36	J 36	J 35	22	J 22	E 19	E 16
	CNT	29	29	28	28	28	28	28	27	27	240	25	27	24	26	25	26	29	30	30	29	29	29	29	28

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JUNE, 1960

TABLE 52

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	75	74	71	72	68	67	71	85	89	94	104	107	116	124	129	135	138	130	122	114	92	77	75	74
	CNT	26	25	26	26	25	24	26	25	27	23	23	26	27	28	27	26	28	28	28	26	27	25	25	24
	UD																								
	LD																								
h' F2	MED									280	315	360	370	400	375	375	355	350	310						
	CNT									28	27	28	26	27	28	28	25	28	28						
	UD																								
	LD																								
h' F	MED	325	310	330	319	285	285	250	240	240	235	235	250	300	300	255	255	250	255	270	275	275	310	330	340
	CNT	27	26	28	26	27	27	27	26	28	26	16	23	20	21	23	20	19	21	28	27	27	25	26	25
	UD																								
	LD																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED								490	540	570	580	580	590	580	570	570	560	515	450					
	CNT								13	26	26	15	23	20	22	23	19	19	19	4					
fo E	MED						115	200	290	330	370	390	400	420	410	400	380	355	315	235	180				
	CNT						4	21	19	20	23	14	18	12	10	9	17	22	23	18	5				
h' E	MED						100	110	110	110	110	110	110	110	110	110	110	110	110	110	110				
	CNT						3	21	19	20	24	12	17	9	9	9	18	22	24	16	3				
fo Es	MED	31	315	275	235	235	26	33	36	375	415	55	53	50	51	48	535	51	485	44	30	325	24	30	30
	CNT	27	26	28	27	27	27	27	25	27	290	23	25	27	22	22	22	27	28	29	27	27	25	25	25

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC. JUNE, 1960

TABLE

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	58	53	53	50	46	40	75	102	117	123	124	118	115	111	110	114	115	116	D 110	D 90	87	67	82	61
	CNT	29	29	30	29	28	28	29	26	28	27	28	30	29	27	30	30	30	30	30	20	29	28	28	28
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED	320	325	310	295	251	250	252	244	240	225	210	210	205	205	210	215	230	260	285	350	355	400	400	360
	CNT	29	29	30	29	28	29	27	26	23	21	23	21	23	23	28	25	28	30	29	30	29	29	28	28
	UQ																								
	LQ																								
M(3000)F2	MED		U 340	U 345	U 330	335	320	315	320	300	275	250	240	230	235	235	240	240	235	235	U 225	215	U 220	U 225	
	CNT		1	2	4	10	20	27	25	28	27	25	25	27	26	29	29	21	19	13	9	11	7	2	
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED							210	305	350	380	400	410	U 410	U 400	390	360	320	265	170					
	CNT							21	23	23	21	24	20	22	24	25	24	28	28	15					
h' E	MED																								
	CNT																								
fo Es	MED	E	E	E	E	E	E		G			G	G		G		G			G	E	E	E	E	E
	CNT	29	29	30	29	28	29	24 28	28	28 28	54 260	29	29	28	29	42 30	30	42 30	30	30	29	29	29	28	28

SWEEP JUNE, 1960

TABLE

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	107	104	110	106	92	85	84	77	69	60	72	84	88	90	104	112	116	119	120	118	113	109	104	102
	CNT	14	16	15	13	17	19	25	24	27	27	28	27	27	19	24	23	25	27	28	27	23	26	18	15
	UQ																								
	LQ																								
h' F2	MED											U 290		315	380	340	340	375	385	355	350	350	U 350		
	CNT											5		10	10	15	17	18	24	25	19	15	4		
	UQ																								
	LQ																								
h' F	MED	340	340	330	480	27	290	270	270	275	290	250	240	235	210	205	U 220	U 235	U 225	205	225	240	250	280	340
	CNT	24	26	23	15	22	24	23	23	18	15	19	17	16	13	5	1	2	2	10	14	12	15	22	27
	UQ																								
	LQ																								
M(3000)F2	MED	245	255	270	280	285	270	290	285	290	280	305	300	280	265	250	260	260	255	265	265	255	260	250	245
	CNT	14	16	15	13	17	19	24	24	27	27	28	26	27	19	23	23	25	27	28	26	29	26	18	15
	UQ																								
	LQ																								
fo F1	MED											U 490		U 510	570	590	600	580	580	560	540	U 660			
	CNT											1		2	9	11	9	8	8	6	7	1			
fo E	MED											220	300	360	380	400	400	410	400	380	360	310	260		
	CNT											13	10	14	13	8	5	6	11	9	12	12	6		
h' E	MED											110	100	100	100	105	105	105	105	105	100	100	100		
	CNT											12	9	11	15	9	14	10	20	14	10	10	13		
fo Es	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. JUNE, 1960

TABLE 55

BUNIA, CONGO (1.5N, 30.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED					U 61	U 91	111	121	120	131	131	130	129	U 124	125	U 127	129	U 130						
	CNT			2	3	6	9	14	13	14	13	15	12	11	8	10	8	10	7	2					
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					U 298	U 304	298	286	269	262	244	241	237	U 243	231	U 236	248	U 253						
	CNT			2	3	6	9	14	13	14	13	15	12	11	8	10	8	10	7	2					
	UQ																								
	LQ																								
fo F1	MED									1	1	2	1												
	CNT																								
fo E	MED							U 310		U 380	U 390	400	U 400		U 360										
	CNT						2	5	3	5	6	9	8	1	5	1	3								
h' E	MED							U 110		U 110	110	110	110	110	110	110	U 115								
	CNT						1	3	8	8	100	14	16	12	14	13	7								
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. JUNE, 1960

TABLE

LWIRO, CONGO (2.3S, 28.8E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U	U											U	U	U	U	U	U	D	D	D	D	D	D
	CNT	125	120	95	77	68	57	60	96	110	113	116	120	128	126	128	130	130	138	128	134	128	116	120	130
	UQ	18	20	17	19	20	19	25	26	27	26	29	27	27	27	29	29	29	29	29	28	28	21	18	15
	LQ				93	74	63	66	101		128	125													
				78	74	62	44	54	89	102	108	109	113												
h' F2	MED								255	258	265	282	305	335	332	375	375	328	310						
	CNT								16	25	25	28	17	23	20	21	22	12	3						
	UQ								260	270	280	295	315	350	358	398	400	350	340						
	LQ								250	250	258	270	300	310	318	348	330	300	295						
h' F	MED	215	240	220	220	230	225	255	240	235	222	215	208	210	210	210	225	235	245	260	255	250	225	210	225
	CNT	25	26	27	27	27	25	27	25	24	18	17	18	17	13	19	15	20	26	28	28	28	29	27	26
	UQ	230	230	220	240	240	235	280	250	240	230	220	215	210	210	220	230	240	250	265	265	260	230	225	230
	LQ	210	210	210	210	220	220	250	240	230	220	210	205	200	205	210	215	228	240	255	250	240	212	200	220
M(3000)F2	MED	301	302	303	294	312	319	308	324	328	315	300	286	280	263	258	257	263	270	283	301	U 307	304	287	297
	CNT	9	13	15	18	20	19	25	25	24	24	29	26	15	21	24	25	20	15	10	5	1	3	6	6
	UQ	320	312	315	317	328	338	313	337	336	325	307	294	288	274	267	268	273	281	287	304		304	300	299
	LQ	293	294	288	279	298	305	300	314	314	306	294	275	272	252	250	247	255	260	280	278		286	279	286
fo F1	MED										490	500	500	510	500	490	480								
	CNT										1	6	8	7	3	8	3								
fo E	MED							E		310	350	370	385	385	385	375	355	320	260						
	CNT							6	19	24	23	24	22	14	18	18	25	21	17						
h' E	MED								121	111	111	109	109	109	109	109	111	111	112						
	CNT								24	14	12	15	19	20	20	19	16	18	12						
fo Es	MED	27	20	21	21	18	22	22	28	37	42	46	44	G	G	G	G	36	31	28	25	24	25	19	20
	CNT	27	28	28	28	28	28	28	27	27	260	28	28	29	28	29	29	29	29	29	28	28	29	28	28

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES. JUNE, 1960

TABLE 57

LEOPOLDVILLE, CONGO (4.4S, 15.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	84	69	52	43	34	53	89	110	111	121	121	125	126	135	136	140	135	140	147		U 133	U 135	132	122
	CNT	15	18	22	24	24	26	23	25	27	27	25	24	26	25	27	23	20	17	12	3	6	7	15	16
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	301	289	267	287	219	276	290	[illegible]	282	274	264	255	244	241	244	247	258	268	287		U 265	U 273	273	291
	CNT	15	18	22	24	24	26	21	25	21	27	25	24	26	25	27	22	20	17	11	3	6	7	15	16
	UQ																								
	LQ																								
foF1	MED																								
	CNT										1	1	1		2	1									
foE	MED							260	[illegible]	350	370	400	U 400		U 360	350	300	260							
	CNT							19	20	23	14	11	7	4	[illegible]	13	12	14							
h'E	MED						U 145	U 120	110	110	110	110	110	110	110	110	U 110	U 120							
	CNT						5	9	14	19	240	[illegible]	22	21	17	13	5	8							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. JUNE, 1960

TABLE 58

ELISABETHVILLE, CONGO (11.6S, 27.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	26	24	25	33	76	97	106	105	105	106	108	110	105	105	111	110	110	67	54	55	53	50	37
	CNT	26	24	23	25	28	26	29	30	29	28	26	30	30	30	30	29	24	23	18	21	22	22	25	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	279	280	278	287	272	306	304	303	292	285	267	263	257	258	258	266	290	301	308	286	285	275	289	288
	CNT	26	23	22	25	28	26	29	30	29	28	26	30	30	30	30	29	24	23	18	20	22	21	25	25
	UQ																								
	LQ																								
foF1	MED																								
	CNT										1	2			3										
foE	MED						200	280	320	360	370	380	390	360	340	310	250								
	CNT						22	22	21	19	18	12	14	15	15	17	14								
h'E	MED						130	115	110	110	110	110	110	110	110	110	U 120								
	CNT						21	25	29	[illegible]	280	26	27	25	24	13	5								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. JUNE, 1960

TABLE [illegible]

SAO PAULO, BRAZIL (23.5S, 46.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	74	63	64	56	46	37	33	65	87	102	112	112	107	115	112	122	131	130	115	99	87	88	90	82
	CNT	17	17	17	18	17	17	14	15	16	16	16	14	15	15	14	17	18	18	15	20	22	21	21	20
	UQ	80	76	73	64	50	45	41	68	92	106	116	118	125	120	125	128	135	133	128	97	93	96	97	88
	LQ	67	56	53	54	36	31	29	61	84	92	102	105	100	103	110	114	122	123	102	87	81	84	84	74
h'F2	MED											U 260	U 260	U 280	U 285	U 300	U 280	U 280							
	CNT											8	5	7	5	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	210	210	220	220	220	240	280	250	235	225	215	205	210	210	225	220	225	230	205	200	220	220	225	220
	CNT	15	15	16	16	15	15	13	14	15	14	15	15	11	12	13	14	13	14	14	17	14	13	13	17
	UQ																								
	LQ																								
M(3000)F2	MED	340	325	335	340	330	310	290	325	350	345	340	330	[illegible]	[illegible]	U 310	320	[illegible]	450	335	340	320	330	340	335
	CNT	14	14	15	14	14	15	13	13	14	13	15	10	12	11	9	14	15	13	11	15	18	16	17	16
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U 195	U 275	U 305														
	CNT								6	6	6	4	1			1	1	1							
h'E	MED								U 164	U 119	U 114	U 115													
	CNT								6	9	8	8	2	1	2	1	[illegible]		1						
foEs	MED															U 37	U 355	U 31	33	27	215	23	U 26		
	CNT	1	1	3	2	1	1	1	7	9	90	8	6	3	4	7	6	[illegible]	10	8	10	[illegible]	5	2	

SWEEP 1.0 MC TO 25.0 MC. JUNE, 1960

TABLE [illegible]

MUNDARING, WESTERN AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	36	38	38	36	32	32	42	70	[illegible]	92	98	100	U [illegible]	[illegible]	101	98	86	72	U 58	45	38	36	34
	CNT	23	23	25	25	26	24	27	22	17	14	[illegible]	[illegible]	18	17	18	13	15	17	18	20	23	23	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 260	E 255	245	250	[illegible]	[illegible]	U 220	[illegible]	[illegible]	225	[illegible]	[illegible]	[illegible]	210	[illegible]	225	225	210	200	210	210	U 230	E 255	E 25[illegible]
	CNT	26	[illegible]	27	26	[illegible]	[illegible]	27	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	21	22	20	23	24	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	330	[illegible]	340	335	335	330	[illegible]	305	305
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	12	14	13	14	13	[illegible]	14	16	15	14	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								24	[illegible]	[illegible]	[illegible]	17	21	[illegible]	21	[illegible]	[illegible]	[illegible]						
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. JUNE, 1960

TABLE 61

PORT LOCKROY, ANTARCTICA (64.8S, 63.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	23	24	24	24	25	25	25	23	U 24	U 41	U 59	68	76	68	64	55	50	41	30	23	20	20	22	22
	CNT	15	15	17	15	16	19	12	17	16	18	17	19	17	19	21	23	24	20	23	18	22	21	17	14
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED	350	350	345	340	320	290	280	260	251	220	220	215	210	215	215	220	220	230	230	255	290	340	345	355
	CNT	24	22	24	24	23	22	20	15	17	20	21	22	21	23	22	23	26	25	24	14	19	20	23	20
	UQ																								
	LQ																								
M(3000)F2	MED	250	250	250	250	250	275	280	290	U 295	U 315	U 335	U 350	355	350	340	335	320	320	330	295	280	260	245	240
	CNT	15	15	14	14	14	12	12	11	14	15	15	16	11	10	10	17	23	18	18	16	22	19	16	13
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										U 160	170	U 200	U 200	U 200	U 180	U 140					85	115	100	105
	CNT										3	8	5	10	9	11	11					1	1	2	1
h'E	MED																								
	CNT																								
foEs	MED	E			E	E														E				E	E
	CNT	24	23	24	24	23	23	23	23	23	230	23	22	22	24	25	27	27	27	26	25	24	23	22	22

SWEEP JUNE, 1960

TABLE 62

WILKES STATION, ANTARCTICA (66.3S, 110.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 34	U 40	U 52	U 56	U 62	U 79	U 74	62	U 63	U 53	U 48	U 50	U 42	U 40	U 42	U 38	U 47	U 36	U 32	U 36	D 30	U 31	U 31	U 34
	CNT	18	24	26	24	23	23	24	20	22	24	20	18	22	19	20	21	20	17	13	21	14	14	9	15
	UD																								
	LD																								
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED	U 240	235	250	255	240	260	265	U 280	276	270	282	U 290	290	265	265	260	245	220	U 260	245	255	250	220	240
	CNT	13	17	20	22	23	19	22	21	23	22	18	17	20	16	21	20	21	15	17	19	10	15	9	8
	UQ																								
	LD																								
M(3000)F2	MED	U 290	U 275	U 275	U 280	U 285	U 280	U 270	U 270	U 260	U 265	U 250	U 260	U 260	U 275	U 260	U 270	U 275	U 280		U 280		U 290		U 270
	CNT	8	12	18	16	18	17	8	8	10	13	10	8	10	11	11	12	11	7	4	8	2	6	4	6
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED			U 135	U 155	U 175	U 175	U 160	U 140	E 100															
	CNT	3		12	11	8	10	10	9	7	2	2	1	1											
h'E	MED									E															
	CNT	3		4	2	3		1	4	5	20	2	1	1											
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. JUNE, 1960

TABLE 63

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						U 58		U 74	92	U 92	U 93	U 81	U 70	U 61										
	CNT	1		4	2	1	6	4	8	8	13	12	14	12	12	4	1	2	2	3	3	1			1
	UQ																								
	LD																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED						E 305	300	U 265	E 255	U 270	245	260	260	250	245										
	CNT	2		4	1	1	6	5	8	8	13	13	15	12	12	5	2	3	2	3	3	1			1
	UQ																								
	LD																								
M(3000)F2	MED						U 275		U 285	U 300	U 280	U 290	U 290	U 300	U 290										
	CNT	1		3	2	1	6	4	7	7	12	12	14	12	12	4		2	2	2	3				
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT		1	1	1		1				1		2	3	4	1		1	1	1					1
h'E	MED																								
	CNT		1	1	1		1				1		1	3	4	1		1	1	1					1
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. JUNE, 1960

TABLE 64

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	51	46	47	42	37	42	46	56	70	73	78	84	88	88	88	89	90	87	88	85	72	59	54	53
	CNT	20	18	17	18	19	19	18	17	15	15	17	19	18	19	21	19	18	18	15	17	19	17	20	18
	UQ	60	59	54	49	47	50	53	70	82	85	88	93	94	96	94	94	95	93	95	96	84	72	66	65
	LD	35	33	30	31	32	35	42	47	57	66	62	70	77	70	70	72	77	75	77	63	57	52	42	38
h'F2	MED						335	372	670	325	345	335	310	320	310	300	375	310	300						
	CNT						1	2	2	5	11	11	11	13	11	11	3	2	1						
	UQ								670	325	415	430	390	345	365	320	392								
	LQ								585	270	285	315	280	272	295	270	370								
h'F	MED	310	305	300	U 302	305	280	245	240	230	215	210	220	222	222	230	230	235	250	255	250	240	245	290	308
	CNT	20	19	19	19	19	19	18	18	18	16	19	19	19	19	21	20	18	18	16	17	19	20	20	19
	UQ	365	350	355	340	320	350	272	250	240	220	228	240	235	235	240	245	245	260	260	252	250	270	320	348
	LD	290	290	290	275	270	260	235	230	220	215	205	210	215	220	218	220	230	245	250	240	235	238	265	280
M(3000)F2	MED	260	260	255	252	270	290	300	300	305	300	295	285	290	290	295	295	295	300	300	300	290	280	262	260
	CNT	20	18	17	18	19	19	18	17	15	15	17	19	18	19	21	19	18	18	15	17	19	17	20	18
	UD	265	270	270	270	280	300	310	305	310	315	302	295	300	300	312	300	300	305	305	305	295	290	278	270
	LD	245	240	242	245	260	265	290	280	295	285	285	285	285	285	285	285	290	295	295	298	280	262	250	245
foF1	MED						220	300	390	420	465	470	475	480	500	460	450								
	CNT						1	2	3	5	7	2	4	9	5	6	2								
foE	MED					145	182	240	280	310	325	340	340	355	340	340	320	295	260	202	E 160	165			
	CNT					3	12	17	17	16	16	14	8	6	5	11	18	18	15	10	6	1			
h'E	MED					E 131	E 125	111	105	107	106	105	106	105	105	106	106	109	109	E 121	E 122	E 165			
	CNT					3	13	18	17	17	18	19	19	19	19	20	20	19	17	17	4	1			
foEs	MED	E 12	E	E	E 11	E 14	E 18	E 24	G	G	G	G	G	G	G	G	G	E 30	27	23	16	E 16	E 16	E 16	E 16
	CNT	20	19	19	19	19	19	18	17	17	34 180	36 19	36 18	18	16	20	20	19	18	18	19	20	20	20	20

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. APRIL, 1960

TABLE 65

DAKAR, SENEGAL (14.7N, 17.4W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 169	166	160	148	85	70	52	54	89	112	128	140	150	150	150	153	152	150	145	144	144	161	D 160	163
	CNT	12	15	21	21	12	17	19	27	24	28	29	30	29	28	30	29	27	27	25	24	18	6	9	5
	UQ																								
	LQ																								
h'F2	MED																		U 425						
	CNT																		2						
	UD																								
	LQ																								
h'F	MED	255	245	240	220	205	215	225	230	240	225	215	200	200	200	195	195	200	225	230	260	335	345	300	290
	CNT	29	30	31	31	31	31	31	30	28	29	28	30	28	31	31	29	28	28	29	30	30	28	24	28
	UQ																								
	LQ																								
M(3000)F2	MED	D 278	U 310	322	335	332	325	320	315	335	330	320	305	295	268	250	248	250	250	250	250	240	U 238	U 285	U 280
	CNT	6	7	12	13	10	13	17	24	17	28	29	29	27	26	25	26	22	23	22	18	11	4	1	4
	UQ																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	E	E	E	220	295	340	370	388	400	390	380	350	320	280	180	E	E	E	E
	CNT	8	12	9	8	11	14	19	26	27	27	24	22	20	17	14	20	25	27	27	18	28	8	7	8
h'E	MED	E	E	E	E	E	E	E	E	110	100	100	100	100	100	100	100	100	100	105	E	E	E	E	E
	CNT	8	12	9	8	11	19	19	26	27	24	24	23	22	27	27	25	28	27	25	9	28	8	7	8
foEs	MED	26	24	26	26	25	25	26	28	31	31	31	34	31	G	G	G	G	31	31	30	28	22	25	26
	CNT	25	29	31	29	31	31	31	29	28	290	27	29	27	29	30	30	30	29	29	28	23	20	16	22

SWEEP 1.0 MC TO 17.0 MC. MARCH, 1960

TABLE 66

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			U 114	U 64	67	56	57	83		U 116	115	110	112	115	114	U 113	U 112	J 113				U 85		
	CNT			1	1	8	8	13	5		3	10	13	12	12	10	3	2	2				1		
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED	245	235	235	235	230	228	230	250	235	230	220	220	210	210	205	220	230	245	270	345	325	305	275	250
	CNT	23	23	24	27	26	28	28	29	25	25	21	13	14	10	13	16	15	25	27	27	6	8	13	14
	UQ																								
	LD																								
M(3000)F2	MED			U 310		310	315	310	U 325	305	U 255	240	245	238	235	235	U 225	U 225	U 228				U 245		
	CNT			1		7	8	13	3	5	3	10	13	12	12	10	3	2	2				1		
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED		E	E		E	F	E	235	300	340	378	380	400	392	380	360	335	280	180	E		E	E	
	CNT		1	2		2	4	6	24	21	17	10	7	6	6	9	12	17	10	10	20		1	1	
h'E	MED		E	E		E	E	E	125	115	110	U 105		U 100	U 105	U 110	U	U 115	120	140	E		E	E	
	CNT		1	2		2	5	10	13	16	5	1		1	3	2		2	10	5	20		1	1	
foEs	MED	20	E	E	E	E		20	21	33	39	56	62	65	60	54	58	46	42	33	18	E	E	18	21
	CNT	28	28	29	30	30		24	30	29	25	260	27	23	22	23	25	25	28	29	27			26	28

SWEEP 1.25 MC TO 20.0 MC. MARCH, 1960

TABLE 67

TAHITI, SOCIETY I. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	126	102	80	72	71	72	84	108	116	124	140	150	160	D	D	D	159	150	154	158	D	150	140	140
	CNT	20	18	20	23	23	21	19	17	24	18	23	28	25	28	25	27	27	22	23	21	22	17	18	18
	UQ																								
	LQ																								
h'F2	MED													U 315	U 335	335	U 340	U 350							
	CNT													2	3	6	2	3							
	UQ																								
	LD																								
h'F	MED	240	238	220	250	270	280	275	240	235	220	232	240	240	238	245	248	250	250	265	285	275	260	255	250
	CNT	27	26	28	26	27	24	27	24	29	26	21	17	21	21	21	24	23	25	24	27	29	28	29	24
	UQ																								
	LD																								
M(3000)F2	MED	U 320	322	318	280	282	280	310	330	325	305	305	298	295	290	290	290	290	295	285	285	290	292	300	308
	CNT	13	12	18	22	22	20	17	15	22	18	21	24	16	14	12	10	16	15	13	11	9	8	11	10
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	F	E	260	312	U 360	U 380	U 395	U 410	U 420	385	U 362	328	260	150	E	E	E	E	E
	CNT	4	3	5	19	22	17	12	24	15	7	6	1	2	1	7	12	20	25	5	9	6	6	5	5
h'E	MED	E	E	E	E	E	E	E	110	105	105	105	U 102	U 100	105	105	105	110	115	E	E	E	E	E	E
	CNT	4	3	5	19	22	17	19	25	28	15	14	4	3	6	13	24	27	26	7	10	6	6	5	5
foEs	MED			E	G																				
	CNT	24	22	24	24	16	18	28	29	36	41	44	48	47	51	45	43	43	49	32	31	31	28	25	25
		27	26			26	23	23	25	24	220	21	12	13	13	21	25	30	30	30	29	30	28	28	24

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. MARCH, 1960

TABLE 68

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	75	71	59	47	43	40	58	87	103	110	116	122	126	128	128	128	125	120	117	111	102	89	83	79
	CNT	31	29	30	31	30	30	31	31	29	30	30	30	30	31	30	31	31	31	31	34	31	30	31	31
	UQ																								
	LD																								
h'F2	MED										U 280	U 318	U 360	330	U 335	U 350	U 330								
	CNT										1	2	2	6	4	1	1								
	UQ																								
	LD																								
h'F	MED	260	255	250	E 250	E 260	260	270	255	242	240	240	235	240	U 240	250	250	260	260	255	250	250	252	270	260
	CNT	29	29	30	30	31	30	31	31	30	28	27	27	18	19	26	27	29	30	31	31	31	31	31	29
	UQ																								
	LD																								
M(3000)F2	MED	290	290	295	280	275	270	295	310	300	290	280	278	270	270	268	270	275	280	280	285	290	288	280	285
	CNT																								
	UQ																								
	LD																								
foF1	MED												U 540	U 540	U 540										
	CNT																								
foE	MED	E	E	E	E	E	E												U	E		E			E
	CNT	1	2	3	7	17	25	150	255	315	350	370	382	390	380	370	350	315	250	200	3	4			1
h'E	MED	E	E	E	E	E	E	E	115	115	110	110	105	105	110	115	115	120	120	E		E			E
	CNT	1	2	3	7	17	25	31	25	26	26	21	12	9	16	24	28	28	20	3		4			1
foEs	MED	29	28	27	28	29	30	31	G	G	G	G	G	C	31	40	39	37	36	31	31	28	25	28	31
	CNT	29	29	29	31	29	29	31	31	30	300	29	28	29	30	31	31	31	31	31	30	28	25	29	28

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. MARCH, 1960

TABLE 69

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	41	43	42	40	39	36	36	65	91	111	122	125	114	114	113	108	98	75	63	48	45	39	40
	CNT	24	23	25	25	24	24	24	24	24	23	23	24	25	25	26	24	24	25	25	25	25	25	25	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	305	325	300	290	265	250	250	230	225	225	230	230	225	230	240	235	225	225	240	240	250	280	295
	CNT	26	26	26	26	24	25	25	24	24	24	23	24	25	25	25	24	24	25	25	26	26	23	25	25
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UD																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									170	230	270	300	310	310	300	260	210	150						
	CNT									24	24	23	23	25	25	25	24	24	13						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	G	G		30	31	G	G	G						E	E	E
	CNT	26	26	26	26	25	25	25	25	24	240	23	23	24	25	25	25	24 25	17 26	19 26	22 26	25 26	26	26	26

SWEEP

DECEMBER, 1959

TABLE 70

TSUMEB, SOUTH WEST AFRICA (19.2S, 17.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	787	713	661	60	56	647	724	847	973	106	1114	1138	1181	1203	1195	1186	1152	113	113	1084	102	968	914	869
	CNT	31	29	30	31	31	31	31	31	31	31	31	31	31	31	30	31	29	31	30	30	29	29	30	30
	UD																								
	LQ																								
h'F2	MED									462	458	410	390	370	375	360									
	CNT									1	1	3	5	5	5	6									
	UQ																								
	LD																								
h'F	MED	255	254	258	260	261	265	248	232	220	214	212	218	212	220	218	222	228	244	262	252	250	255	269	268
	CNT	26	24	24	23	24	29	31	30	30	28	28	31	29	27	27	23	23	24	25	21	25	29	28	26
	UD																								
	LQ																								
M(3000)F2	MED	279	272	273	276	271	282	296	281	269	260	258	251	249	253	255	259	258	263	270	276	279	272	273	276
	CNT	30	28	30	31	31	31	31	30	31	31	31	31	31	31	30	31	29	31	30	30	29	29	30	30
	UQ																								
	LD																								
foF1	MED									590	550	553	585	580	592	585									
	CNT									1	1	2	5	5	5	6									
foE	MED						128	240	306	351	381	400	407	409	407	391	369	334	283	197					
	CNT						3	25	27	28	24	24	20	22	19	18	16	19	18	11					
h'E	MED						131	112	108	105	103	102	102	103	103	102	103	108	112	128					
	CNT						3	22	27	23	190	11	5	5	3	9	14	12	5	8					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES.

DECEMBER, 1959

TABLE 71

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 136	U 121	U 119	U 115	106	88	61	54	49	49	81	109	130	128	130	131	133	129	131	137	144	145	U 133	U 138
	CNT	5	4	4	5	18	24	25	29	28	30	28	29	29	28	22	21	18	17	16	17	14	10	7	3
	UD	175			125	126	96	82	66	57	56	88	115	134	136	136	140	142	138	138	148	145	147	144	
	LQ	118			113	86	64	51	41	40	43	76	104	124	125	126	125	130	126	127	131	130	132	130	
h'F2	MED												U 240	U 250	265	U 290	U 300	U 305	U 325	U 365		U 325			
	CNT												1	4	13	7	6	2	1	1		1			
	UQ																								
	LD																								
h'F	MED	240	220	225	225	220	215	225	245	250	240	240	240	235	240	250	250	U 275	270	240	245	250	260	275	290
	CNT	30	30	30	30	30	30	30	30	29	30	30	30	29	19	11	5	1	5	12	18	25	29	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	U 280	U 295	U 290	U 310	320	315	305	295	290	300	325	325	320	310	300	290	285	275	265	265	270	275	U 280	U 275
	CNT	5	4	4	5	18	24	25	29	28	30	28	29	29	28	22	21	18	17	16	17	14	10	7	3
	UQ																								
	LQ																								
foF1	MED													U 480	U 540	U 640		U 660							
	CNT													1	3	1		1							
foE	MED										E	220	310	360	380	410	410	U 420	400	370	330	280	220		
	CNT										2	30	27	19	15	15	9	3	8	13	12	13	10		
h'E	MED										E	100	110	110	110	120	120	U 120	115	U 110	110	110	U 100		
	CNT										20	15	28	18	5	13	7	3	6	2	7	6	2		
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS.

NOVEMBER, 1959

TABLE 72

TSUMEB, SOUTH WEST AFRICA (19.2S, 17.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	843	725	658	591	502	56	80	955	1027	114	1206	1273	1329	136	1354	1331	1321	1316	1258	1155	1105	993	897	876
	CNT	29	29	29	29	30	30	30	29	29	28	30	28	30	30	30	28	28	30	30	29	30	30	28	30
	UQ																								
	LQ																								
h'F2	MED							570	795	621		648	631	718	610	475									
	CNT							1	1	1		1	1	1	1	1									
	UD																								
	LD																								
h'F	MED	248	240	243	248	252	270	235	230	220	214	211	208	215	220	220	224	230	244	245	238	235	243	252	268
	CNT	28	27	26	25	29	29	30	29	29	30	28	29	30	28	30	26	28	28	29	27	27	27	25	28
	UQ																								
	LQ																								
M(3000)F2	MED	289	286	278	279	278	288	306	302	280	266	261	263	265	265	268	266	271	279	285	283	280	283	276	276
	CNT	28	27	28	29	30	29	30	29	29	28	30	28	30	30	30	28	28	30	30	29	29	28	26	29
	UD																								
	LD																								
foF1	MED							365	421	465	476	503	515	525	530	525									
	CNT							1	1	1	1	1	1	1	1	1									
foE	MED						122	250	313	353	376	395	402	405	400	385	360	321	258	176					
	CNT						11	26	29	27	29	29	29	26	25	29	26	27	23	4					
h'E	MED						159	110	104	102	100	100	103		102	102	108	105	110	121					
	CNT						7	22	22	15	60	2	1		2	4	1	13	17	2					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES.

NOVEMBER, 1959

TABLE 73

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	146	134	130	135	127	94	80	69	50	46	79	104	127	133	133	144	152	153	148	133	136	140	146	154
	CNT	14	16	19	26	21	27	28	30	31	29	30	29	30	30	23	21	23	23	22	21	26	22	24	14
	UQ	162	160	159	160	151	120	89	76	66	56	86	116	132	143	143	150	156	156	156	154	155	156	153	158
	LQ	133	127	122	126	118	86	73	62	43	42	74	106	120	130	130	136	144	143	133	131	132	132	135	136
h'F2	MED												U	260	265	300	310	310	315	325	345	325	310	305	
	CNT												250	10	20	21	21	21	24	20	16	15	6	5	
	UQ												4												
	LQ																								
h'F	MED	250	220	230	250	225	220	220	210	235	245	245	235	230	230	225	U 260	U 250	U 265	E 240	230	240	260	290	300
	CNT	31	31	31	30	31	31	31	30	31	31	31	31	30	18	8	3	1	4	12	20	23	24	27	31
	UQ																								
	LQ																								
M(3000)F2	MED	290	295	290	300	310	315	310	310	300	290	315	315	315	305	295	290	285	285	280	275	270	270	275	275
	CNT	14	16	19	26	21	27	28	30	31	29	30	29	30	30	23	21	23	23	22	20	26	22	24	16
	UQ																								
	LQ																								
foF1	MED														U 580	U 610		U 670	U 740	U 730	U 740	U 630			
	CNT														1	1		2	1	6	2	2			
foE	MED									E		240	310	360	390	410	410	420	U 400	380	330	290	240	E	
	CNT									30		29	27	26	11	5	3	2	1	13	12	11	8	8	
h'E	MED									E	E								E					E	
	CNT									290	25	115	100	105	110	110	110	110	115	110	100	105	105	10	
												25	29	26	15	11	8	7	7	12	16	14	8		
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. OCTOBER, 1959

TABLE 74

TSUMEB, SOUTH WEST AFRICA (19.2S, 17.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	681	65	554	517	499	811	978	1092	1179	1252	113	134	1373	1369	1362	135	132	1282	1212	1179	107	95	871
	CNT	28	28	29	28	27	27	29	28	29	28	31	30	29	30	28	29	28	29	31	31	30	29	29	30
	UQ																								
	LQ																								
h'F2	MED												289		350	320									
	CNT												2		1	1									
	UQ																								
	LQ																								
h'F	MED	239	235	235	240	233	245	225	220	218	211	210	205	210	213	220	224	233	243	237	232	230	227	230	242
	CNT	26	26	27	27	27	26	28	28	28	28	28	29	30	31	28	28	24	28	31	29	29	28	27	29
	UQ																								
	LQ																								
M(3000)F2	MED	294	288	288	292	297	290	327	313	296	284	274	270	267	268	269	271	275	284	288	289	291	290	287	289
	CNT	28	28	29	28	27	27	28	28	29	28	31	30	29	30	28	29	28	29	31	30	29	29	29	30
	UQ																								
	LQ																								
foF1	MED												543		650	580									
	CNT												2		1	1									
foE	MED						126	222	301	344	370	388	400	401	395	378	352	310	238						
	CNT						3	27	27	28	26	31	28	29	31	27	29	28	18						
h'E	MED					E		110	100	100	99				95	95	98	102	108						
	CNT					3		24	19	12	40				1	1	1	7	15						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. OCTOBER, 1959

TABLE 75

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	64	62	59	56	54	53	69	77	83	91	94	99	99	100	104	103	102	105	102	90	77	70	67
	CNT	30	30	30	30	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	305	310	315	300	300	295	265	245	225	220	220	220	220	220	220	220	225	235	250	240	240	245	255	280
	CNT	29	30	30	30	29	28	28	29	27	29	30	27	29	27	30	30	30	30	30	29	30	28	29	30
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								220	300	330	350	360	370	380	360	340	320	270	210					
	CNT								29	29	29	30	30	30	30	30	30	32	33	25					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	9		17	34	36	38	39	40	41	38	0	35	33	28	23	20	23	26	E
	CNT	30	30	30	30	29	29	29	29	29	290	30	30	30	30	30	29	30	30	30	30	30	30	30	30

SWEEP SEPTEMBER, 1959

TABLE 76

TSUMEB, SOUTH WEST AFRICA (19.2S, 17.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	646	543	485	447	415	361	703	953	110	1206	126	1267	1233	1257	1279	127	1268	1244	1209	117	109	94	85	772
	CNT	29	28	29	26	28	28	28	26	25	28	27	26	27	26	26	27	29	28	28	29	30	29	29	29
	UQ																								
	LQ																								
h'F2	MED														373										
	CNT														4										
	UQ																								
	LQ																								
h'F	MED	238	240	247	250	241	250	240	230	222	220	215	213	210	225	225	232	235	245	245	236	225	220	235	230
	CNT	28	27	26	27	28	27	28	27	26	26	26	26	27	26	25	24	26	24	26	25	29	29	27	28
	UQ																								
	LQ																								
M(3000)F2	MED	283	283	281	290	300	294	312	323	306	291	286	274	268	261	261	264	268	272	285	294	293	294	294	295
	CNT	29	26	24	28	28	28	27	26	25	26	26	26	27	26	26	26	27	27	28	27	30	29	29	29
	UQ																								
	LQ																								
foF1	MED														663										
	CNT														4										
foE	MED							183	278	337	371	392	400	402	395	378	353	315	239						
	CNT							20	26	25	22	22	22	22	22	21	22	27	16						
h'E	MED							130	110	108	100					101	100	104	111						
	CNT							17	14	9	10					2	4	6	17						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. SEPTEMBER, 1959

[illegible] (MUNICH [illegible]) — TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92	[illegible]	[illegible]	97	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	88	87	88
	CNT									[illegible]	28		25	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	300	310
	CNT	[illegible]	[illegible]		[illegible]	[illegible]				[illegible]			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	28	28
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	270	[illegible]	[illegible]	[illegible]	230				
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	45	49	40	[illegible]	[illegible]	35	32
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	30	30	30	30	30	30

WE[illegible] — JUNE, 1959

PARAMARIBO, SURINAM (5.8N, 55.2W) — TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	111	[illegible]	[illegible]	90	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	126	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]		[illegible]	[illegible]	16	15	15	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	113	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	104	[illegible]	[illegible]
h'F2	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	375	[illegible]	[illegible]	U 295
	CNT												[illegible]	[illegible]	[illegible]	8	8		[illegible]	[illegible]	15	[illegible]	[illegible]	1	1
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	250	300	355
	CNT	17	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	10	10	14	10	15
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	255	255	[illegible]	245	235	235
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	14	[illegible]	16	[illegible]	14	[illegible]	13	[illegible]
	UQ																								
	LQ																								
foF1	MED												[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	640	600	U 600	[illegible]	U 600	
	CNT												[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	12	11	3	1		
foE	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	180	
	CNT										[illegible]	[illegible]	14	[illegible]	[illegible]	8	8	[illegible]	[illegible]	[illegible]	12	13	11	8	
h'E	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105	[illegible]	E	
	CNT										[illegible]	[illegible]	[illegible]	11	11	[illegible]	[illegible]	[illegible]	12	[illegible]	13	13	10	6	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN [illegible] SECONDS. — JUNE, 1959

TABLE [illegible]

PARAMARIBO, SURINAM (5.8N, 55.2W) — TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	119	128	125	125	122	114	97	86	77	75	88	100	108	118	131	135	136	137	134	132	131	128	125	119
	CNT	15	11	13	15	21	24	25	27	27	28	28	28	25	19	20	12	14	15	21	18	26	23	18	14
	UQ	125	132	133	138	133	122	110	93	91	86	91	105	125	131	138	142	140	143	140	135	137	136	130	129
	LQ	114	124	114	109	107	101	86	74	76	66	79	90	102	110	122	128	133	127	130	125	119	120	113	111
h'F2	MED														350	360	380	375	380	375	400	400	415	U 410	
	CNT														9	15	21	24	27	26	24	22	10	1	
	UQ																								
	LQ																								
h'F	MED	365	330	300	265	260	260	255	250	275	265	260	250	250	U 240	U 220		U 380		U [illegible]	U 250	250	270	325	260
	CNT	28	28	28	28	28	28	28	27	28	28	28	28	17	1	1		1		1	3	10	14	18	27
	UQ																								
	LQ																								
M(3000)F2	MED	235	245	260	275	270	285	285	285	280	275	285	290	275	270	265	265	260	260	255	250	245	240	235	230
	CNT	15	11	13	15	21	24	25	27	27	28	28	28	25	19	20	12	14	15	21	18	26	23	18	14
	UQ																								
	LQ																								
foF1	MED														U 680	U 560		U 680	U 740	700	700	680			
	CNT														2	1		3	2	8	10	9			
foE	MED										140	230	310	320	U 400	U 430				U 420	U 370	320	250		
	CNT										28	28	23	8	2	1				2	4	10	10		
h'E	MED										E	125	115	110	U 105	U 120	U 105			U 125	105	110	110		
	CNT										280	27	28	10	4	2	1			3	5	13	10		
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. — MAY, 1959

TABLE 81

PARAMARIBO, SURINAM (5.8N, 55.2W) — TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 130	U 140	U 135	130	129	102	94	80	73	67	88	116	127	134	143	151	153	152	147	139	131	128	130	130
	CNT	4	3	3	6	8	12	18	20	27	26	24	27	26	19	17	18	16	17	19	23	20	17	13	9
	UQ				141	137	125	111	89	90	85	96	124	133	140	149	155	155	155	156	148	138	140	136	131
	LQ				126	126	101	85	75	65	61	84	110	121	130	135	144	145	143	138	132	128	126	126	126
h'F2	MED																U 335	U 425	400	400	400	U 410			
	CNT																1	2	9	17	13	6			
	UQ																								
	LQ																								
h'F	MED	325	290	260	245	245	235	240	235	E 245	250	255	240	E 245	E 255	E 270	E 280	E 290	U 280	E 270	265	E 250	275	310	360
	CNT	28	28	28	28	27	27	27	27	25	24	26	27	25	19	10	9	7	4	5	5	14	18	25	28
	UQ																								
	LQ																								
M(3000)F2	MED	U 245	U 270	U 290	290	295	280	280	280	280	280	290	290	280	280	270	265	260	255	250	245	245	245	235	240
	CNT	4	3	3	6	8	12	18	20	27	27	24	27	25	19	17	18	16	17	19	22	20	17	13	9
	UQ																								
	LQ																								
foF1	MED																		U 780	U 710	U 720	U 780			
	CNT																		3	9	8	3			
foE	MED								E	E	U 140	220	310	340	U 410					U 400	370	310	250	U 170	
	CNT								6	8	18	26	25	10	2					3	7	14	13	3	
h'E	MED								E	U 120	E	110	105	110	105	U 110	U 125	U 100	U 110	100	100	110	100	U 90	
	CNT								6	9	180	23	25	15	5	2	1	1	2	7	9	13	11	3	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. — APRIL, 1959

TABLE 81

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	160	162	158	153	140	118	91	70	66	54	79	113	132	142	150	150	152	154	154	154	147	149	150	151
	CNT	21	19	28	24	25	28	31	29	28	29	30	30	31	30	29	29	31	31	31	31	29	31	29	22
	UQ	170	170	168	163	155	131	104	87	75	69	92	119	138	149	154	156	155	158	157	158	157	158	159	165
	LQ	151	148	148	139	115	102	84	66	52	44	72	106	126	137	145	143	148	146	144	142	138	137	139	143
h'F2	MED												U 265	U 260	300	U 325	350	360	370	380	390	375	350	U 300	
	CNT												1	4	5	16	21	28	24	30	30	27	15	1	
h'F	MED	300	280	250	250	240	230	210	220	240	250	255	245	240	250	250	265	270	270	260	255	245	255	300	325
	CNT	31	30	31	31	31	30	31	30	31	31	31	30	28	25	23	26	24	19	19	44	24	28	29	31
	UQ																								
	LQ																								
M(3000)F2	MED	U 270	280	290	295	305	308	295	295	300	295	295	305	295	285	280	275	270	265	260	255	260	255	260	260
	CNT	21	19	26	29	25	28	31	29	28	29	30	30	30	31	28	30	31	31	31	30	30	31	29	20
	UQ																								
	LD																								
foF1	MED															U 640		760	U 740	U 740	U 740	U 710			
	CNT															1		9	11	14	14	6			
foE	MED									E 140	200	300		360	U 390						U 380	340	270	E 140	
	CNT									31	31	25		19	1						11	7	13	25	
h'E	MED									E	100	100		110	110	115	U 115	U 100	105	100	U 105	110	100	E	
	CNT									290	23	28		28	16	6	2	3	5	5	4	17	18	23	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. MARCH, 1959

TABLE 82

VICTORIA, CANADA (48.4N, 123.4W) TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	51	46	46	44	43	43	56	76	89	90	95	101	105	106	103	103	102	102	100	91	81	69	60	52
	CNT	27	29	27	28	28	28	29	29	29	29	29	29	29	30	29	29	29	29	29	29	29	29	29	28
	UQ																								
	LQ																								
h'F2	MED										U 500	U 500	U 490	U 450	U 510	U 540	U 510								
	CNT							2	3	3	5	8	7	9	9	6	6	3	2						
	UQ																								
	LD																								
h'F	MED	300	310	320	320	310	320	280	250	230	220	210	220	220	220	220	230	240	240	240	230	250	260	260	290
	CNT	27	26	26	24	22	23	27	29	27	28	29	29	29	30	29	28	29	29	28	28	28	29	27	27
	UQ																								
	LD																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LD																								
foF1	MED									U 420	U 470	U 530	U 550	U 580	560	U 520	U 500								
	CNT							2	4	6	7	9	9	10	10	7	6	3	2	1					
foE	MED								260	300	340	370	390	400	390	380	340	310	280						
	CNT							3	24	26	27	27	29	29	29	29	28	27	23	4					
h'E	MED								110	110	105	105	105	105	105	105	105	110	110						
	CNT							2	18	21	250	24	25	28	29	28	25	24	21						
foEs	MED																								
	CNT																								

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS. SEPTEMBER, 1958

TABLE 83

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	69	65	66	65	70	76	73	85	83	80	83	80	81	80	80	78	80	78	80	79	78	75	72	74
	CNT	25	26	25	26	26	26	25	22	18	19	22	23	25	21	25	26	22	26	26	26	24	27	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED	325	315	315	300	260	250	260	230	225	225	210	215	235	230	230	230	225	255	280	220	285	300	300	305
	CNT	25	24	24	22	24	16	18	10	10	13	14	17	18	17	18	19	15	15	14	21	24	26	25	26
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED					220	280	320	360	380	390	400	390	400	390	390	370	330	300	230					
	CNT			1	3	18	21	25	20	23	180	25	19	19	20	23	26	26	25	19	1				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 18.0 MC. JUNE, 1958

TABLE 84

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	69	68	67	65	68	72	76	76	85	88	88	91	90	90	87	89	88	87	85	82	80	79	75	76
	CNT	23	24	24	22	24	24	22	20	23	23	24	26	21	28	27	24	26	26	18	23	22	18	22	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED	U 330	U 320	E 320	310	275	250	240	235	230	220	220	225	220	225	235	240	245	260	275	E 275		E 280	E 315	E 330
	CNT	23	23	22	22	20	20	21	18	16	14	20	17	17	19	23	20	21	16	21	25		20	21	20
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED					210	270	320	350	370	380	390	400	400	400	380	360	320	270	210					
	CNT				2	13	21	22	21	26	190	26	21	20	22	26	23	25	23	10					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC. MAY, 1958

TABLE 85

DELHI, INDIA (28.6N, 77.2E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D	D	D										D	D	D	D	D	D	D	D	D	D	D	D
	CNT	109	100	90	84	79	82	103	122	130	134	145	150	152	152	154	153	151	148	146	143	132	126	120	112
	UQ	26	28	13	16	17	25	26	26	22	21	28	26	22	28	22	25	27	26	27	28	27	27	27	26
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U	U		U									U	U		U	U			U		U	U	
	CNT	305	290		270	260	265	315	315	295	270	265	260	255	255		260	260			270		260	260	
	UQ	6	8	2	6	10	14	17	25	19	21	24	14	7	6	4	5	5	8	2	4	6	3	9	4
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT							1	290 5	310 11	380 6	390 5	1	2	3	1	3	350 8	2	1					
h'E	MED																								
	CNT							1	120 5	100 10	100 60	100 5	1	2	3	1	3	100 8	2	1					
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL.

APRIL, 1958

TABLE 86

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	149	144	112	89	91	83	96	115	122	131	144	U 155	D 153	D 153	D 153	D 153	D 153	D 153	D 153	D 153	D 153	D	D	D
	CNT	18	16	16	14	15	15	12	15	12	10	14	8	13	13	11	12	18	15	15	16	16	153 15	153 15	153 16
	UQ																								
	LQ																								
h'F2	MED									250	250	375	415	425	450	450	430	400	350						
	CNT									11	13	16	18	15	13	11	13	16	16						
	UQ																								
	LQ																								
h'F	MED	280	270	265	270	300	310	265	250	250										285	315	350	320	315	310
	CNT	19	16	19	17	17	17	15	13	7				1	1		2	2	2	10	15	17	17	18	17
	UQ																								
	LQ																								
M(3000)F2	MED	265	275	275	240	240	240	270	290	275	250	240	U 230	U 230	230	U 230	235	235	240	240	240	230	240	245	250
	CNT	17	16	15	14	14	16	12	12	12	11	14	15	9	11	9	10	15	12	15	14	16	13	13	15
	UQ																								
	LQ																								
foF1	MED									1				1			4								
	CNT																								
foE	MED							190	270								1		310	220					
	CNT							3	6	1								2	7	4					
h'E	MED							2	110 7	110 3	2						2	3	110 8	120 3					
	CNT																								
foEs	MED	E	E	E	E	E	E	G	25	33	38	G	38	45	G				E	E	E	20	E	E	E
	CNT	19	16	18	15	17	17	14	13	10	150	13	7	5	4	2	4	25 13	31 15	28 16	24 17	17	18	19	18

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC.

APRIL, 1958

TABLE 87

CALCUTTA, INDIA (23.0N, 88.6E) TIME 90.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D	D	U	U	U	U				D	D	D	D	D	D	D	D	D	D	D				
	CNT			120	92	75	61	90	114	122															
	UQ	8	8	7	10	9	6	12	14	14	14	11	10	8	6	6	6	10	12	15	7	4	3	2	4
	LQ																								
h'F2	MED											U	U	U		U	U	U							
	CNT											410	450	430		440	480	440							
	UQ									1		6	5	7	4	6	5	9	2						
	LQ																								
h'F	MED	300	280	250	260	300	280	270	240	250	250	250	260					260	260	290	350	360	330	300	300
	CNT	12	14	15	15	15	14	16	17	18	16	11	9	4	4	3	4	8	9	15	10	7	8	8	10
	UQ																								
	LQ																								
M(3000)F2	MED				U	U	U																		
	CNT				360	350	360	380	380	370															
	UQ	2	2	3	6	7	5	10	12	12	4														
	LQ																								
foF1	MED											U		U			U	U							
	CNT											900		900			850	800							
	UQ									1		5	3	5	3	5	5	4							
	LQ																								
foE	MED							U	U	U								U							
	CNT							270	300	320									300	U 280					
	UQ							4	9	4	1							2	5	5					
	LQ																								
h'E	MED								110	110	100							100							
	CNT							3	7	9	6	1	1			1	2	5	4	4					
	LQ																								
foEs	MED	E	E	E	E	E	E	G	G	G	G			G	G			G	G		U	E	E	E	E
	CNT	13	14	15	16	16	15	15	15	12	60	2	2			1	2	5	9	49	32 12	8	6	6	9

SWEEP 1.0 MC TO 13.0 MC IN 1 MINUTE 55 SECONDS.

APRIL, 1958

TABLE 88

BOMBAY, INDIA (19.0N, 72.8E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D	D	D	D	D	D	D					D	D	D	D	D	D	D	D	D	D		D	D
	CNT	117	107	100	93	82	78	71	115	134	138	145	146	150	152	153	148	145	140	142	137	130	128	122	122
	UQ	22	24	25	23	25	26	25	29	30	29	22	28	30	30	30	30	30	30	25	30	5	17	15	18
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT	1	1			3	3	3																	
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT															400	390	380	360						
	UQ															24	23	22	14	2					
	LQ																								
h'E	MED															100	100	100	80						
	CNT															24	23	22	14	2					
	LQ																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL.

APRIL, 1958

TABLE 89

MADRAS, INDIA (13.1N, 80.3E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	136	130	115	112	94	90	106	136	144	145	137	128	127	128	131	134	133	130	117	112	118	130	136	139
	CNT	30	29	28	23	25	25	28	27	30	29	27	26	28	17	27	28	27	28	26	29	22	27	26	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED								260	240	215	U 215	210	210	205	210	U 205								
	CNT						2	1	12	16	15	8	15	17	10	14	7	4			1				
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								310	370						U 400	U 390	360							
	CNT								5	9						3	4	9	1						
h'E	MED			100	100					U 100	100	100													
	CNT	1		5	9					2	40	9	1												
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL. APRIL, 1958

TABLE 90

TIRUCHY, INDIA (10.8N, 78.7E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 124	U 116	115	106	105	88	106	D 121	137	137	126	122	120	121	122	124	125	D 118	D 117	D 112	U 113	D 115	126	117
	CNT	10	8	13	11	12	22	24	26	22	13	27	27	29	26	28	25	15	25	29	12	5	7	10	13
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED			U 280	U 295	U 320	325	310	U 280	U 245	U 230	230	220	210	210	215	210								
	CNT	1	4	5	9	9	13	17	6	9	60	18	19	24	20	17	15	3	4	4	3	2			
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.5 MC TO 20.0 MC IN 5 MINUTES, MANUAL. APRIL, 1958

TABLE 91

KODAIKANAL, INDIA (10.2N, 77.5E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 114	106	102	U 102	96	92	102	124	138	137	128	123	118	118	122	124	125	126	120	109	U 103	U 115	122	123
	CNT	16	19	18	24	25	27	27	27	26	28	26	26	26	28	29	28	29	30	28	28	18	12	16	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	280	280	265	250	240	230	270	245	235	225	220	220	215	215	220	230	240	260	310	445	440	380	315	290
	CNT	29	29	29	30	29	30	29	29	27	28	26	25	26	28	29	28	27	30	29	25	17	20	26	25
	UQ																								
	LQ																								
M(3000)F2	MED	260	255	280	U 285	290	300	290	280	250	220	210	210	205	205	205	210	210	210	200	195	U 200	U 210	240	250
	CNT	15	19	18	24	25	27	27	27	26	28	26	26	26	28	29	28	29	30	28	28	18	12	16	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								300																
	CNT							3	16	2							1	3	3						
h'E	MED								115	110	110					110	110	110	110						
	CNT							4	26	11	5	1	2	3	3	5	10	17	12						
foEs	MED								74	106	114	122	122	122	120	118	117	96	80				38	38	
	CNT	1	2		2	2		6	29	27	280	27	26	26	28	29	29	29	29				7	9	4

SWEEP 1.5 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1958

TABLE 92

TRIVANDRUM, INDIA (8.5N, 77.0E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 115	U 113	D 108	D 100	100	89	100	129	143	144	135	126	122	122	123	126	128	130	D 118	U 105		U 114	D 117	D 118
	CNT	9	9	10	11	10	16	21	22	26	26	30	30	30	30	30	29	24	30	5	4	4	9	11	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED						U 300	300	280	255	225	220	215	210	210	210	210	215	210						
	CNT		1	1	1	4	9	13	15	14	120	23	29	29	30	28	26	21	10	3					1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL. APRIL, 1958

TABLE 93

DELHI, INDIA (28.6N, 77.2E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	[illegible]	18	19	20	21	22	23
foF2	MED	86	79	[illegible]	[illegible]	45	[illegible]	[illegible]	[illegible]	[illegible]	139	144	[illegible]	[illegible]	[illegible]	C 148	148	[illegible]	[illegible]	[illegible]	[illegible]	130	117	D 101	[illegible]
	CNT	29	21	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]
	CNT	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	8	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	380	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8		6	[illegible]						
h'E	MED									[illegible]	100	100	100	120	100	[illegible]	100	120							
	CNT								3	[illegible]	5	7	8	6	11	[illegible]	7	6	[illegible]						
foEs	MED								31	43	46	47	48	48	46	48	45	42	[illegible]	31	35	32			
	CNT				[illegible]	3	1	2	5	8	130	13	12	12	11	5	13	13	[illegible]	7	6	7	3	1	1

SWEEP 1.5 MC TO 18.0 MC IN [illegible] MINUTES, MANUAL. JANUARY, 1958

TABLE 94

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	133	117	[illegible]	84	64	59	60	93	132	136	144	[illegible]	154	156	157	155	157	152	154	160	159	D 153	D 153	151
	CNT	20	19	21	20	13	16	14	14	20	22	22	[illegible]	18	17	17	22	21	22	20	17	16	20	14	19
	UD																								
	LQ																								
h' F2	MED									[illegible]	250	[illegible]	385	415	[illegible]	[illegible]	425	375	315						
	CNT									1	17	[illegible]	[illegible]	23	[illegible]	[illegible]	23	[illegible]	25						
	UQ																								
	LD																								
h' F	MED	245	[illegible]	[illegible]	225	225	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	300	280	235	225	230
	CNT	22	[illegible]	18	19	18	15	15	12	[illegible]	[illegible]	14	18	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	19	21	20	21	18
	UD																								
	LQ																								
M(3000)F2	MED	[illegible]	275	[illegible]	[illegible]	280	[illegible]	[illegible]	[illegible]	310	[illegible]	260	245	[illegible]	[illegible]	[illegible]	235	[illegible]	240	250	245	[illegible]	275	275	275
	CNT	[illegible]	19	[illegible]	19	14	[illegible]	14	12	20	20	22	[illegible]	[illegible]	[illegible]	17	[illegible]	20	25	20	19	19	18	20	19
	UQ																								
	LQ																								
fo F1	MED										[illegible]	U [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	600	580						
	CNT										3	4	[illegible]	5	6	3	[illegible]	[illegible]	11						
fo E	MED								[illegible]	[illegible]	[illegible]	370	[illegible]	400	400	400	380	330	260	U 180					
	CNT							1	9	17	15	16	17	18	[illegible]	19	19	18	22	3					
h' E	MED								U [illegible]	115	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	115						
	CNT								4	[illegible]	[illegible]	[illegible]	18	[illegible]	19	[illegible]	20	16	13						
fo Es	MED	E	E	23	E	E	E	E	G	G	[illegible]	G	G	G	G	G	G	G	G	31	25	22	E	[illegible]	E
	CNT	24	23	[illegible]	[illegible]	[illegible]	24	20	20	22	230	25	25	28	28	28	26	23	25	25	23	23	22	21	20

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1958

TABLE 95

CALCUTTA, INDIA (23.0N, 88.6E) TIME 90.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 115	D 110	D 95	92	D 37	D 36	D 40	98	D 120	D	D	D	D	D	D	D	D	D	D	D	D	D	D 120	D 120
	CNT	28	29	29	18	28	28	28	18	25	26	26	26	28	28	27	27	27	26	29	28	28	29	29	29
	UQ																								
	LQ																								
h'F2	MED											U 390	450	450	470	470	450	440							
	CNT										1	6	16	18	21	23	21	14							
	UQ																								
	LQ																								
h'F	MED	250	240	230	230	240	250	260	260	250	250	250	250	250	250	250	250	250	260	270	290	270	250	230	240
	CNT	29	29	29	28	28	25	28	28	24	24	25	23	24	26	23	21	23	24	29	28	29	29	29	29
	UQ																								
	LQ																								
M(3000)F2	MED	U 370	U 380	380	370	U 350	360	U 350	360	360															
	CNT	6	8	16	17	7	10	8	14	10															
	UQ																								
	LQ																								
foF1	MED												850	830	820	800	U 770	U 720							
	CNT										1	4	15	18	21	23	18	9							
foE	MED								U 200	300	D 310	D 320	D 320	D 320	D 310	D 310	D 310	D 310	280	U 180					
	CNT							2	20	22	27	25	22	23	19	21	22	25	20	13					
h'E	MED								120	120	120	110	110	110	100	100	110	110	110						
	CNT							2	16	24	24	23	21	22	19	19	21	24	14						
foEs	MED	E	E	E	E	E	E	E	G	G	G	G	G	G	G	G	G	G	G	G	E	E	E	E	E
	CNT	30	30	29	28	28	28	28	28	26	270	25	23	23	22	23	25	26	25	29	28	29	29	29	29

SWEEP 1.0 MC TO 13.0 MC IN 1 MINUTE 55 SECONDS. JANUARY, 1958

TABLE 96

BOMBAY, INDIA (19.0N, 72.8E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 104	D 104	D 98	D 82	D 80	D 75	D 67	92	129	D 132	D 141	D 146	D 148	D	D 144	D 139	D 130	U	U 140	D 132	U 125	D 120	D 122	115
	CNT	10	19	17	25	19	18	16	22	16	22	26	28	27	26	29	23	17	5		18	5	13	10	11
	UD																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LD																								
M(3000)F2	MED				U 290	U 270	U 280		310	300	U 290	U 265	U 260	U 230		U 225	U 230								
	CNT				8	7	5		16	13	90	8	6	5		6	7								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL. JANUARY, 1958

TABLE 97

MADRAS, INDIA (13.1N, 80.3E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	100	100	95	87	84	74	84	116	140	140	135	120	117	122	122	124	126	120	116	106	115	108	105	100
	CNT	25	19	21	19	22	20	29	26	25	27	25	24	27	16	25	28	26	27	26	26	21	26	23	29
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED							U	U						U		U	U	U						
	CNT	1	1	2	4		2	295	290	280	240	210	210	210	200	210	205	215	210						
	UQ							7	6	13	12	15	17	17	8	13	6	8	5	4					
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED	43	48	36				35	39	50	50	50	50	50	50	50	44	50	39	40			38	39	36
	CNT	7	4	5	3	1	2	8	22	24	220	17	22	22	10	21	22	20	20	10	3	4	12	8	14

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL. JANUARY, 1958

TABLE 98

TIRUCHY, INDIA (10.8N, 78.7E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	104	100	93	87	84	72	74	100	D	D			112	115	118	119	117	111	114	100	122	103	105	104
	CNT	18	10	15	19	22	27	25	24	126	126	122	114	28	28	29	30	25	21	16	19	6	9	9	16
	UQ									15	12	26	28												
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	265	U 260	U 275	290	300	330	295	240	U 255		210	210	205	205	210	210	195	200	200	200				295
	CNT	11	8	7	14	18	21	23	21	9	40	14	18	18	19	20	16	12	13	15	7	1	1	3	7
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 2.5 MC TO 20.0 MC IN 5 MINUTES, MANUAL. JANUARY, 1958

TABLE 99

KODAIKANAL, INDIA (10.2N, 77.5E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	96	92	90	88	84	74	68	102	121	129	126	112	108	104	112	114	116	113	108	95	94	85	98	99
	CNT	24	26	25	27	30	29	30	31	30	31	31	31	31	31	30	28	29	31	31	25	13	15	19	20
	UQ																								
	LQ																								
h' F2	MED														3	1									
	CNT																								
	UQ																								
	LQ																								
h' F	MED	290	285	285	275	260	250	260	260	240	230	220	215	210	210	220	235	250	275	330	430	420	360	315	290
	CNT	30	30	30	31	31	30	31	31	30	31	31	31	31	31	29	27	29	30	31	27	24	28	31	30
	UQ																								
	LQ																								
M(3000)F2	MED	260	265	270	280	295	310	270	275	255	235	210	205	230	200	200	205	205	205	205	200	205	230	250	260
	CNT	25	26	25	27	30	29	30	31	30	31	31	31	31	31	30	28	29	31	31	26	13	14	19	20
	UQ																								
	LQ																								
fo F1	MED														1										
	CNT																								
fo E	MED								260	330	380														
	CNT							1	25	13	5	3	2	2	1	1	2	3	3						
h' E	MED								120	110	110	110	105	110	110	110	110	110	120						
	CNT							1	29	27	21	10	6	6	9	9	14	26	16						
fo Es	MED	38								80	96	114	115	115	116	111	108	82	77						
	CNT	6	5	1				3	30	30	310	51	31	31	31	30	28	29	26	2	1	2	2		3

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1958

TABLE 100

TRIVANDRUM, INDIA (8.5N, 77.0E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	100	99	91	88	84	76	74	101	118	126	127	114	110	111	114	117	117	116	110	96	U 105	U 105	99	101
	CNT	14	15	17	18	21	22	23	27	27	30	29	29	31	31	31	31	29	28	25	30	8	9	14	15
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 260	260	U 280	280	300	310	290	280	250	230	215	210	210	210	200	210	210	210	200	U 205	U 230	U 240	U 240	U 260
	CNT	6	10	9	14	17	20	19	20	22	27	22	23	29	28	27	28	24	14	13	7	7	5	7	7
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED								52	97	126	130	131	130	131	129	125	124	D 95						
	CNT								6	11	240	25	26	24	25	28	28	17	19						

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL. JANUARY, 1958

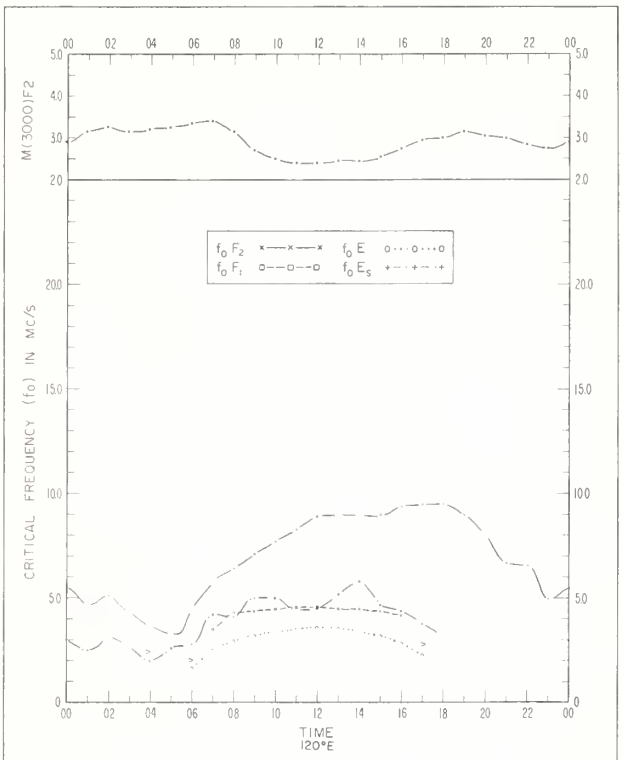

Fig 1 BAGUIO, LUZON
16 4°N, 120.6°E AUGUST 1962

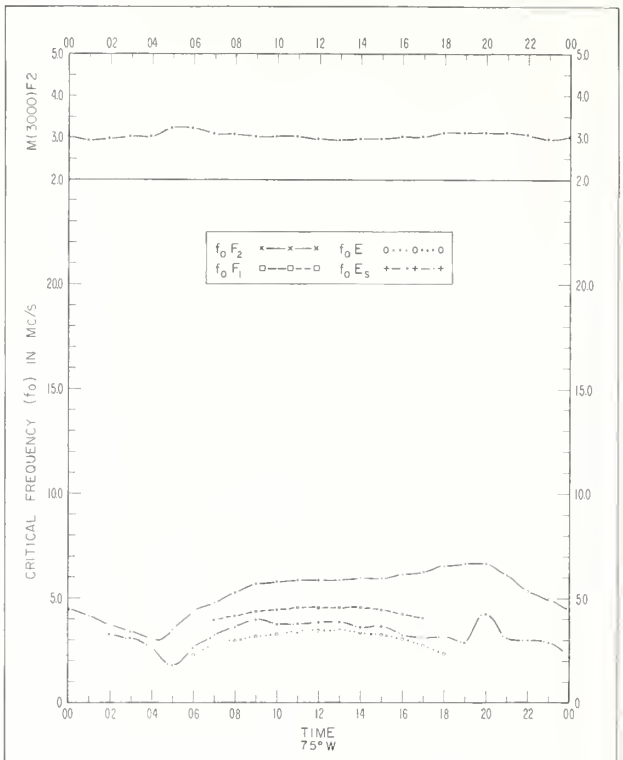

Fig. 2. WASHINGTON, D C.
38 7°N, 77 1°W JUNE 1962

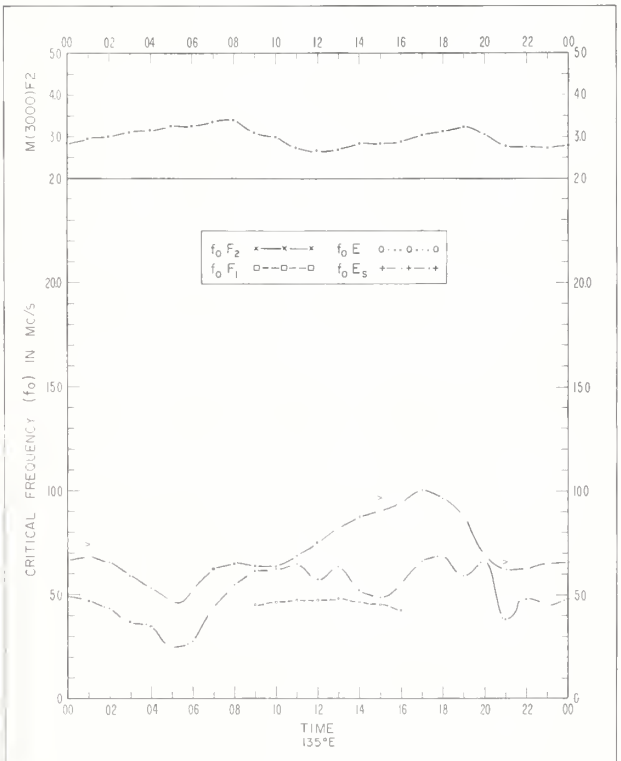

Fig 3 OKINAWA I
26 3°N, 127.8°E JUNE 1962

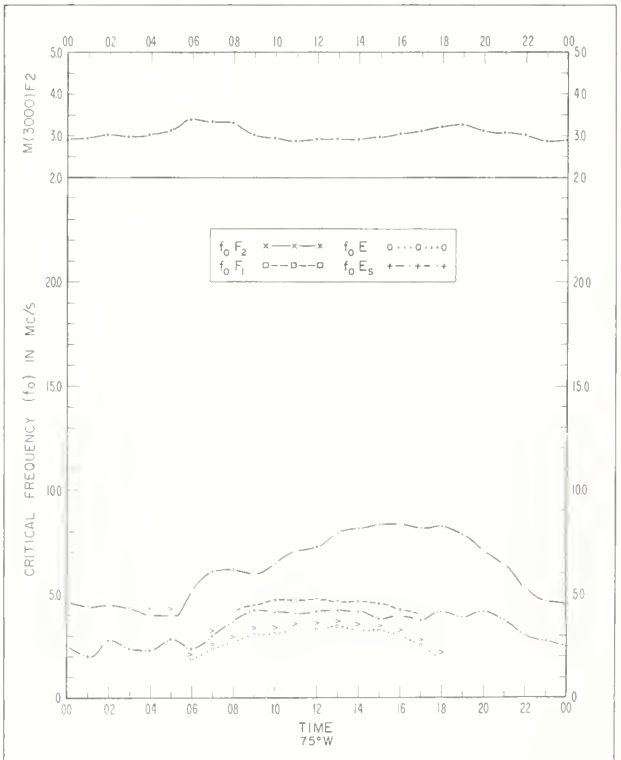

Fig 4 GRAND BAHAMA I
26 6°N, 78.2°W MAY 1962

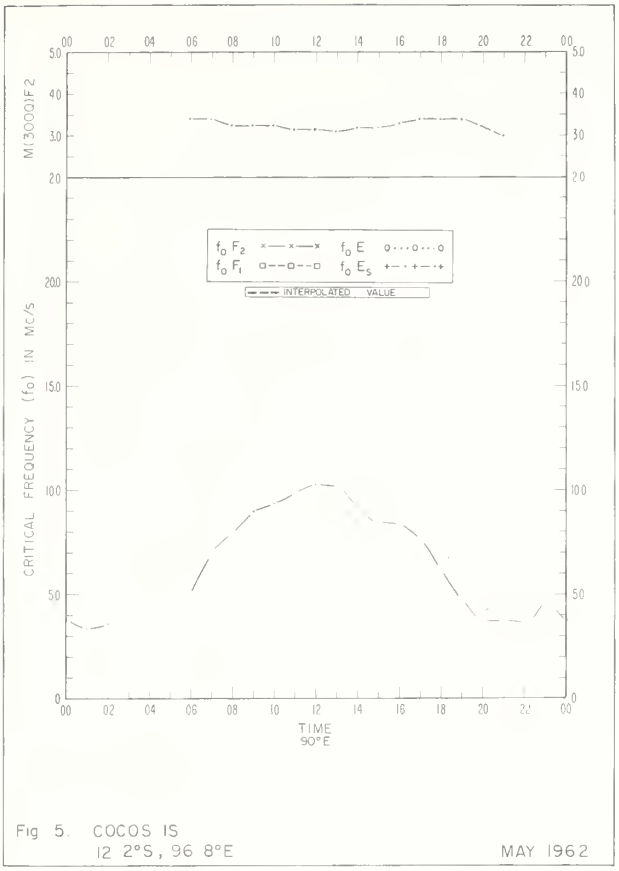

Fig 5. COCOS IS
12 2°S, 96 8°E
MAY 1962

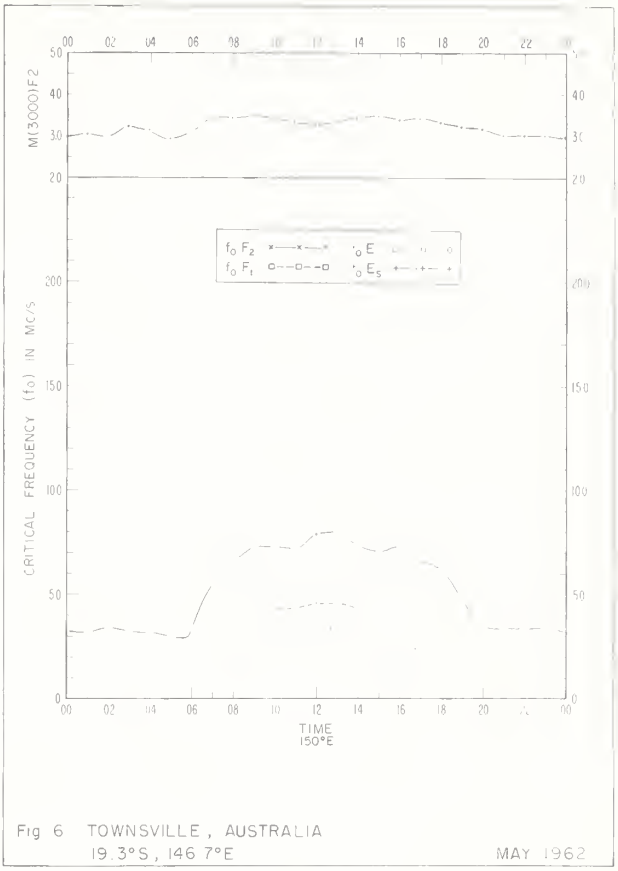

Fig 6 TOWNSVILLE, AUSTRALIA
19.3°S, 146 7°E
MAY 1962

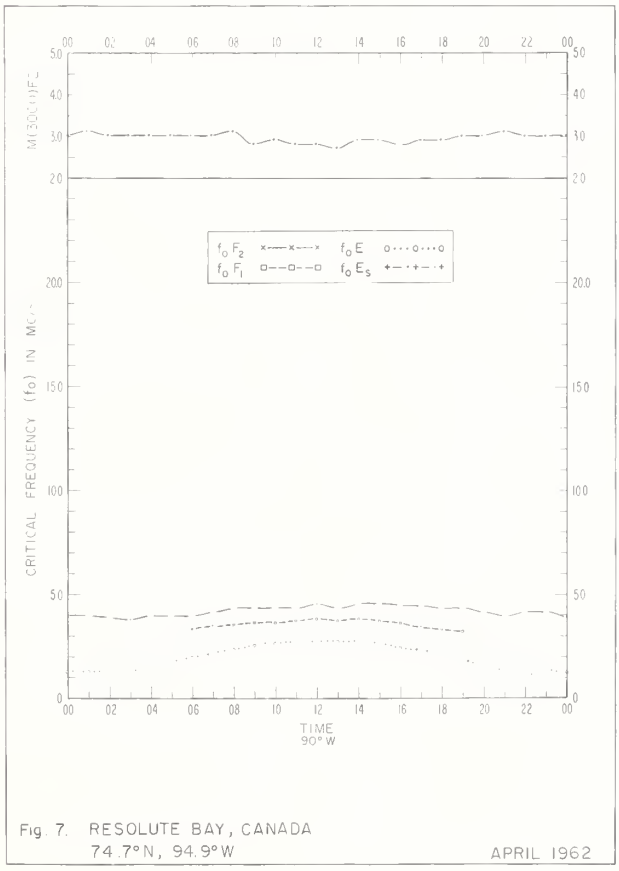

Fig. 7. RESOLUTE BAY, CANADA
74.7°N, 94.9°W
APRIL 1962

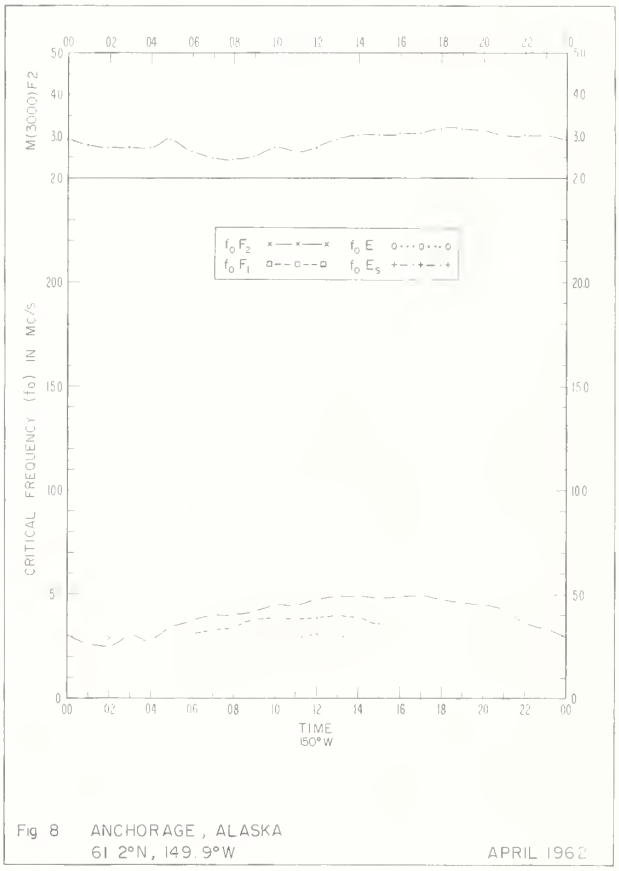

Fig 8 ANCHORAGE, ALASKA
61 2°N, 149.9°W
APRIL 1962

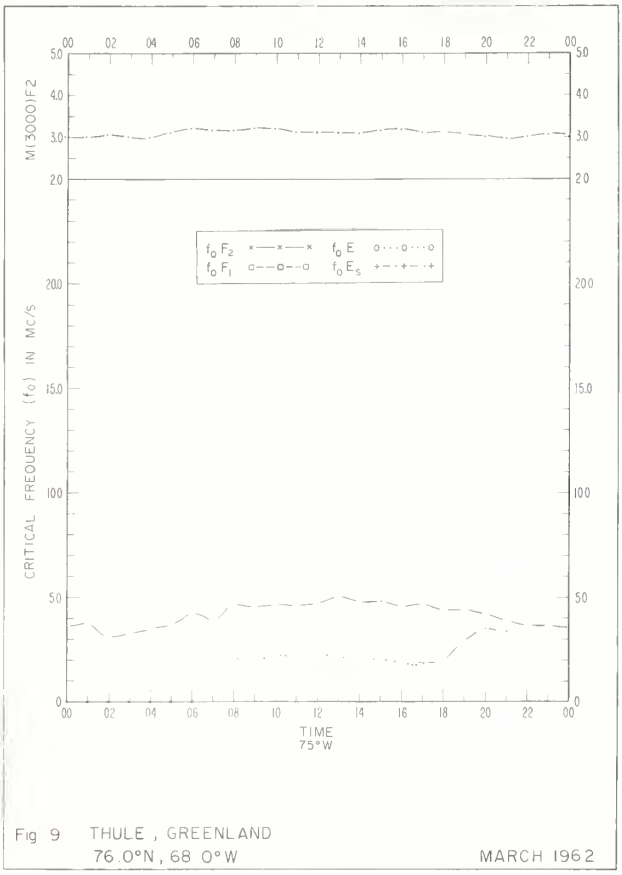

Fig 9 THULE, GREENLAND
76.0°N, 68.0°W
MARCH 1962

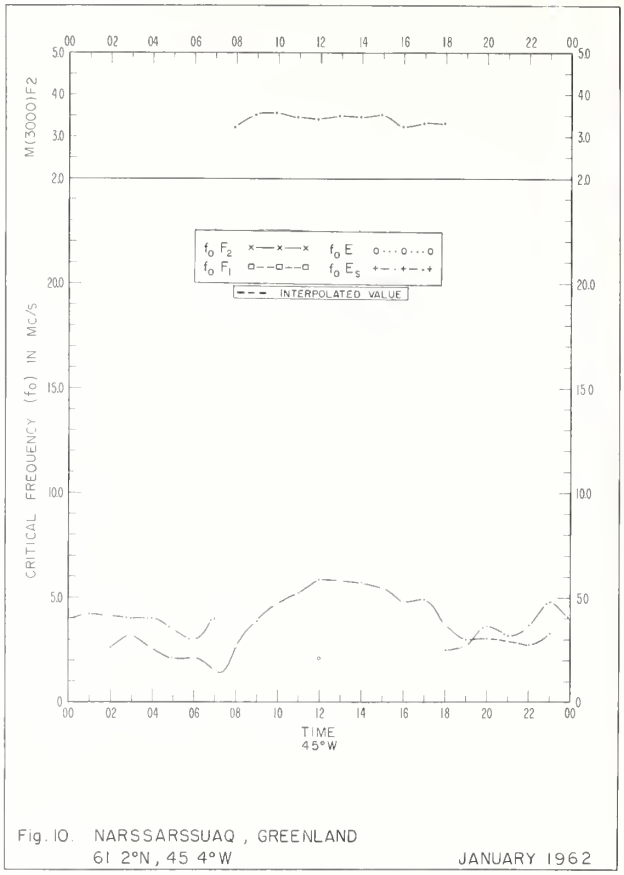

Fig. 10. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W
JANUARY 1962

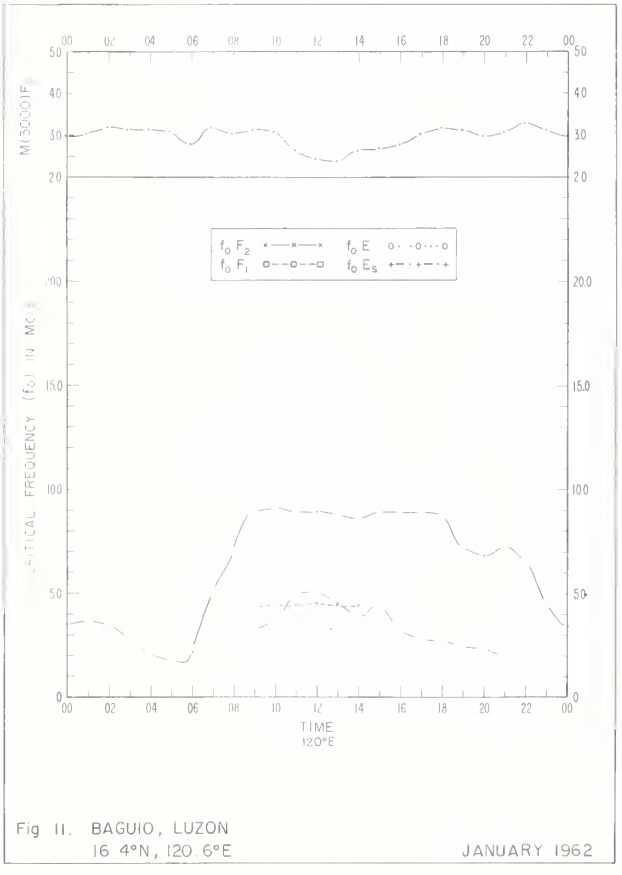

Fig 11. BAGUIO, LUZON
16.4°N, 120.6°E
JANUARY 1962

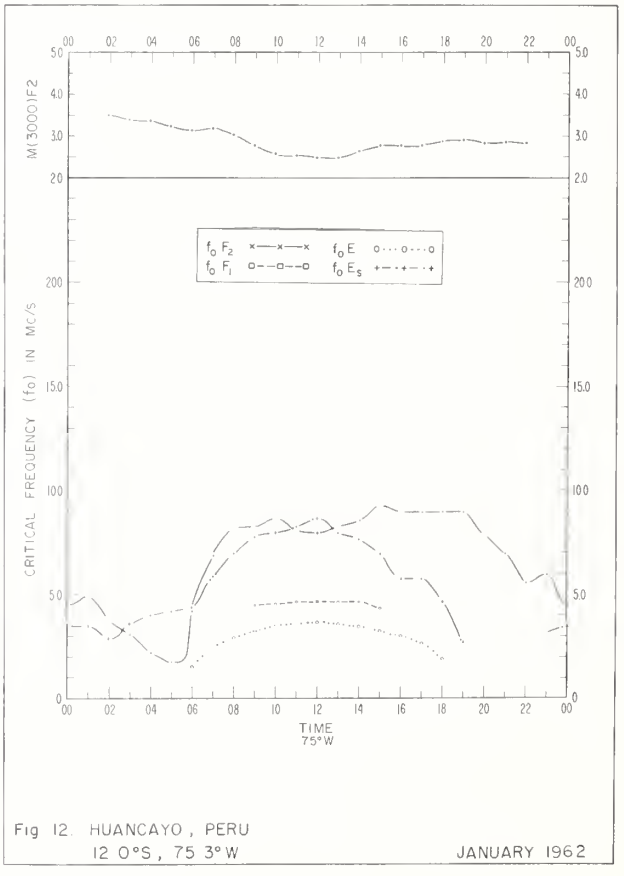

Fig 12. HUANCAYO, PERU
12.0°S, 75.3°W
JANUARY 1962

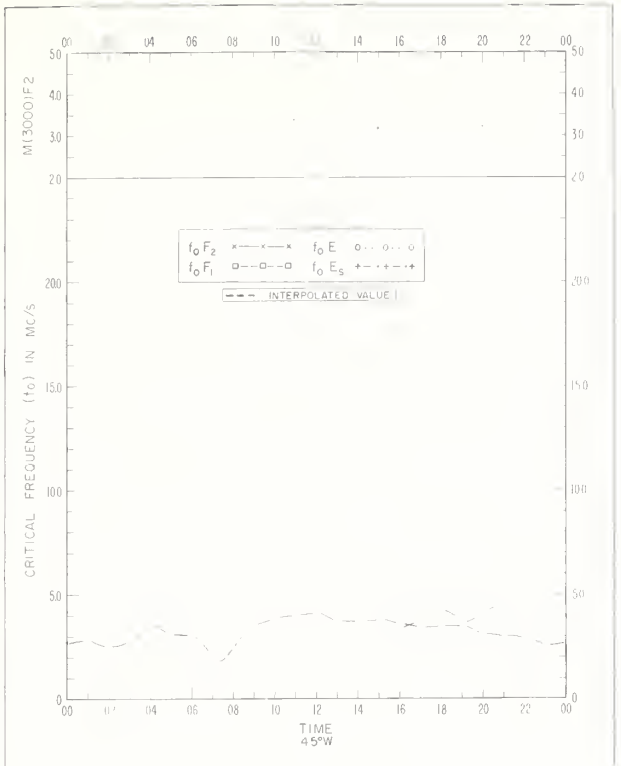

Fig 13 GODHAVN, GREENLAND
69.3°N, 53.5°W
DECEMBER 1961

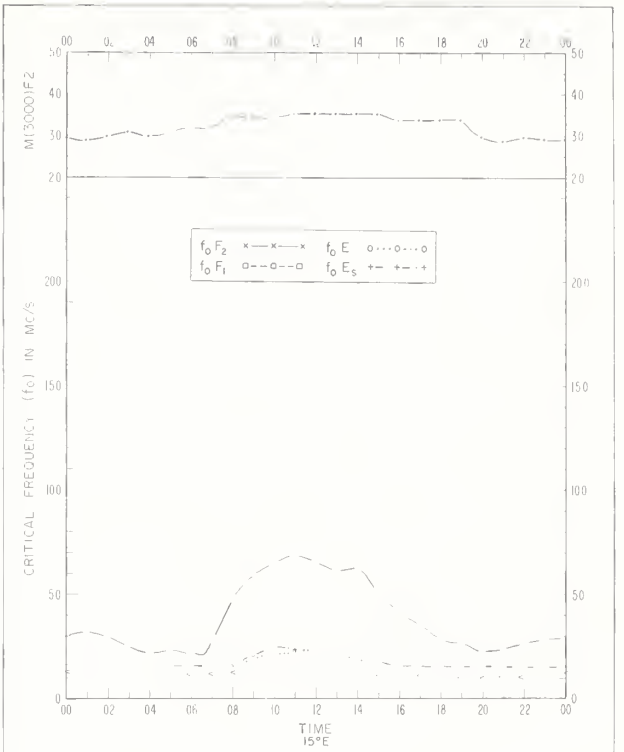

Fig 14 WARSAW, POLAND
52 1°N, 21 2°E
DECEMBER 1961

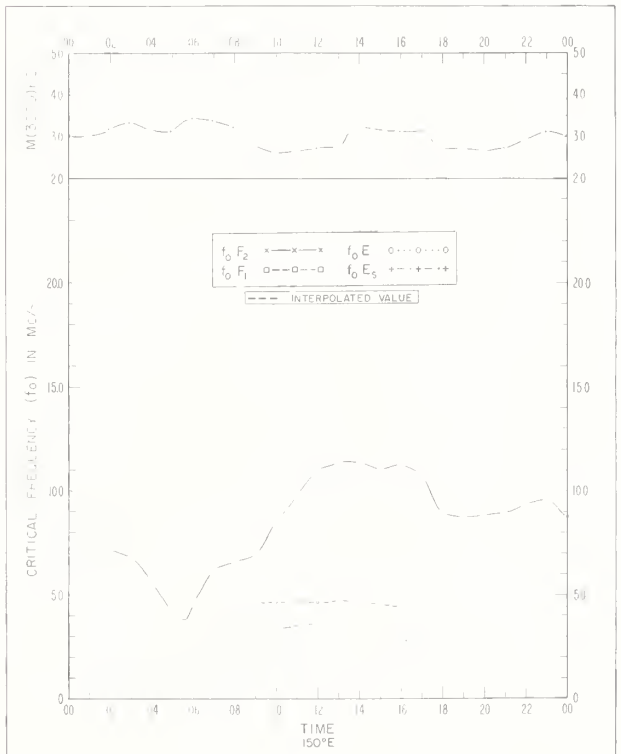

Fig 15 PORT MORESBY, PAPUA
9 4°S, 147 1°E
DECEMBER 1961

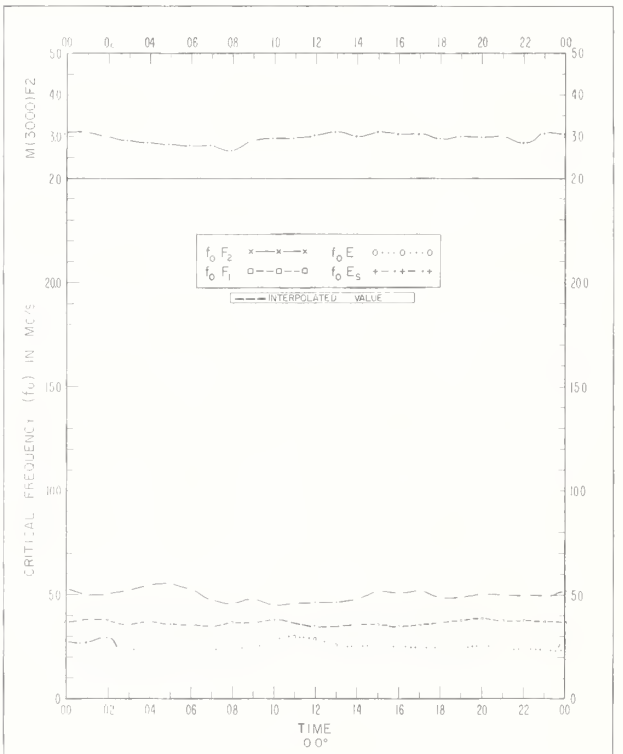

Fig 16 POLE STATION, ANTARCTICA
90 0°S
NOVEMBER 1961

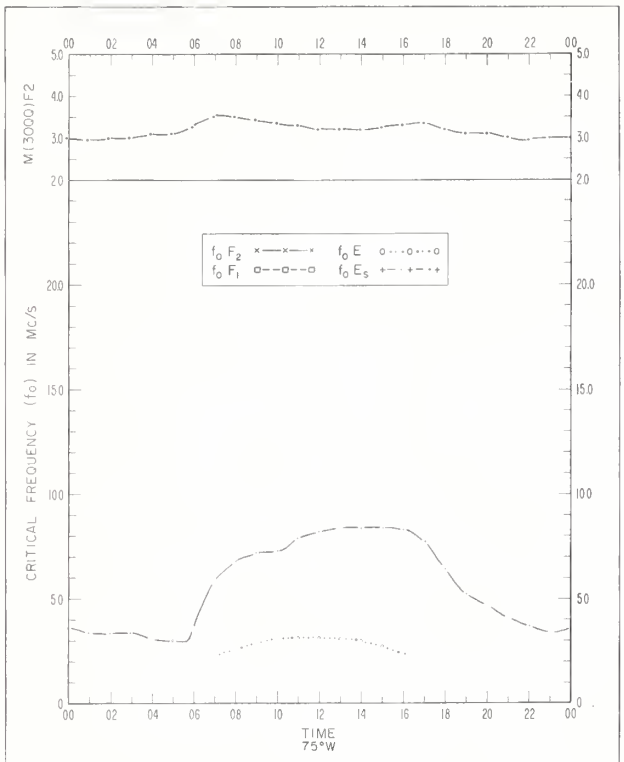

Fig 17 FT. MONMOUTH, NEW JERSEY
40 4°N, 74.1°W
OCTOBER 1961

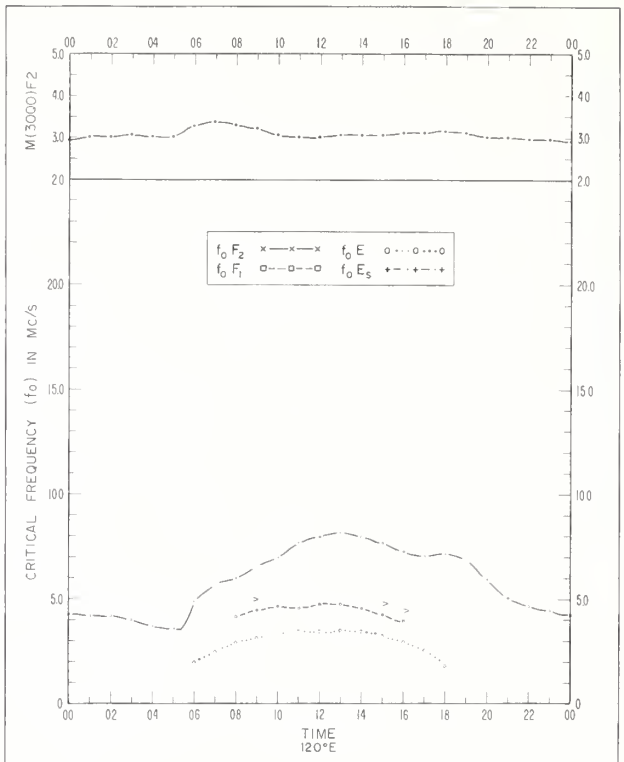

Fig. 18. MUNDARING, W AUSTRALIA
32 0°S, 116 2°E
OCTOBER 1961

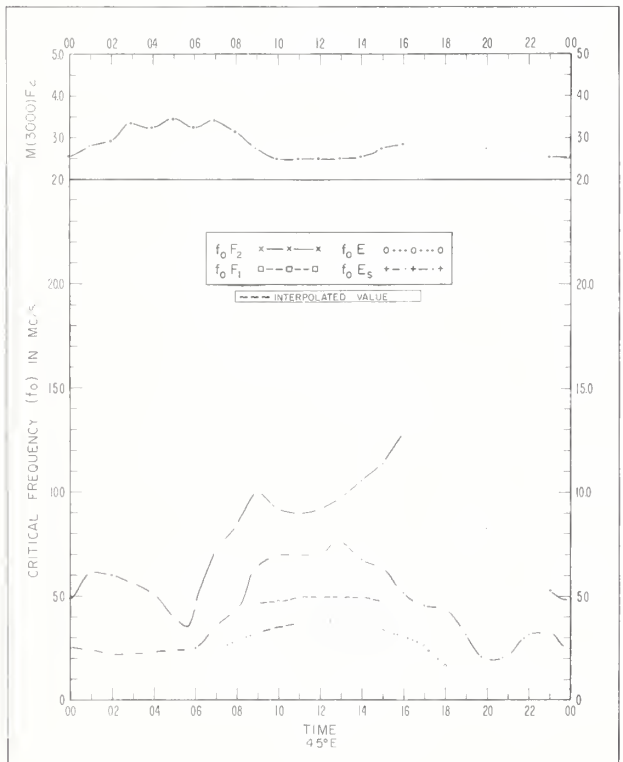

Fig 19 DJIBOUTI, FRENCH SOMALILAND
11 5°N, 42 8°E
SEPTEMBER 1961

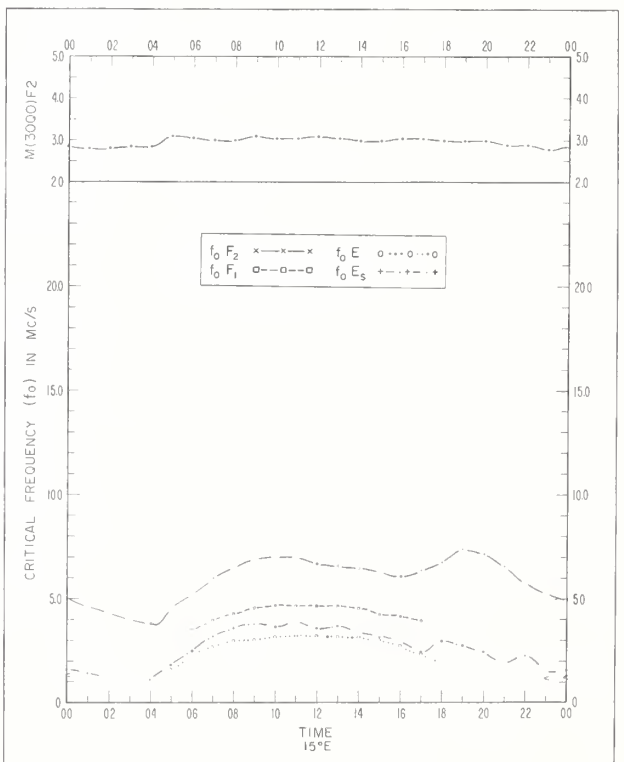

Fig 20. WARSAW, POLAND
52 1°N, 21 2°E
AUGUST 1961

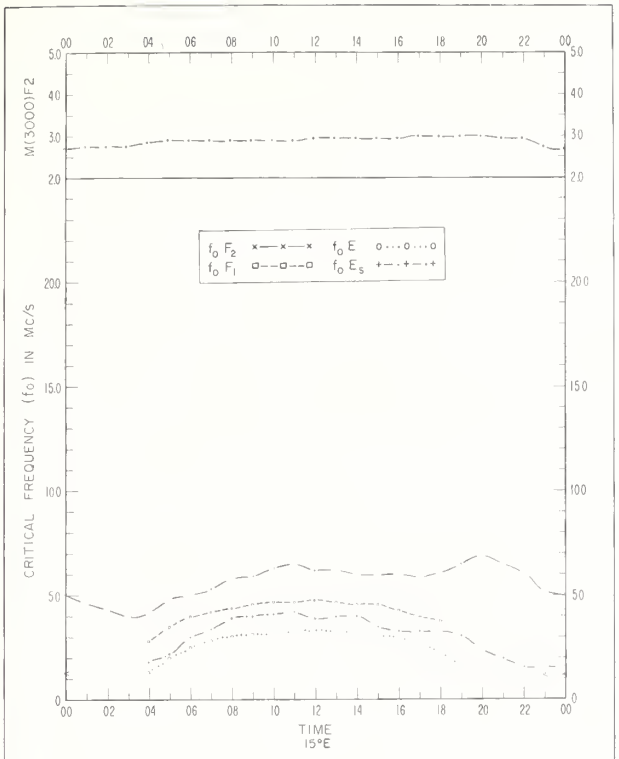

Fig 21. WARSAW, POLAND
52 1°N, 21 2°E
JULY 1961

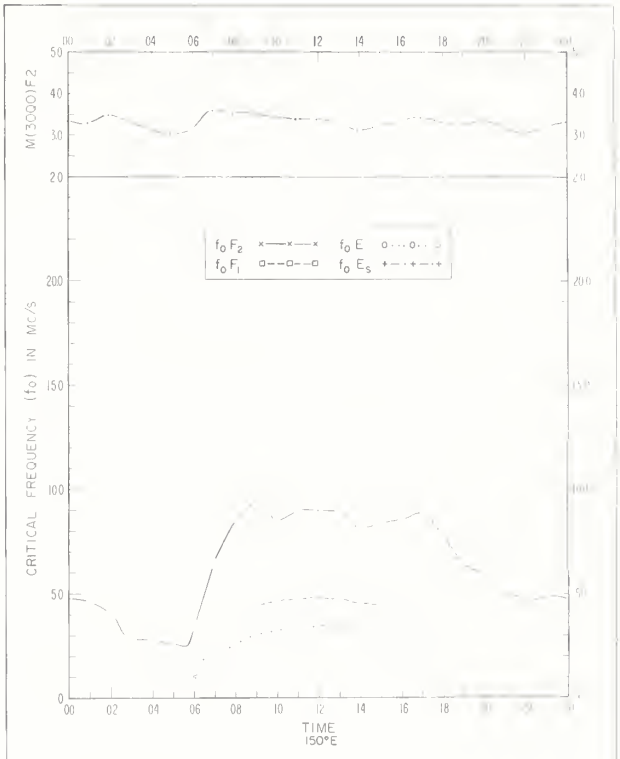

Fig 22 PORT MORESBY, PAPUA
9.4°S, 147.1°E
JULY 1961

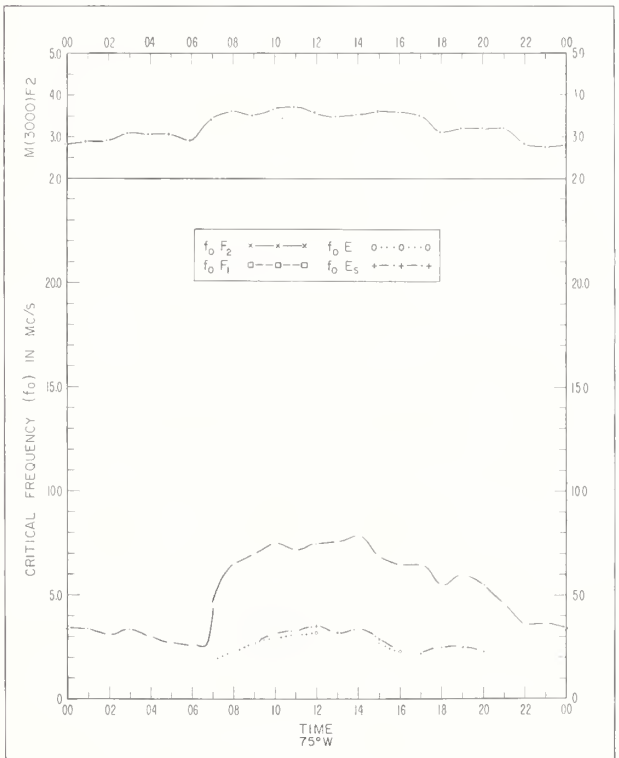

Fig 23. CONCEPCION, CHILE
36 6°S, 73.0°W
JULY 1961

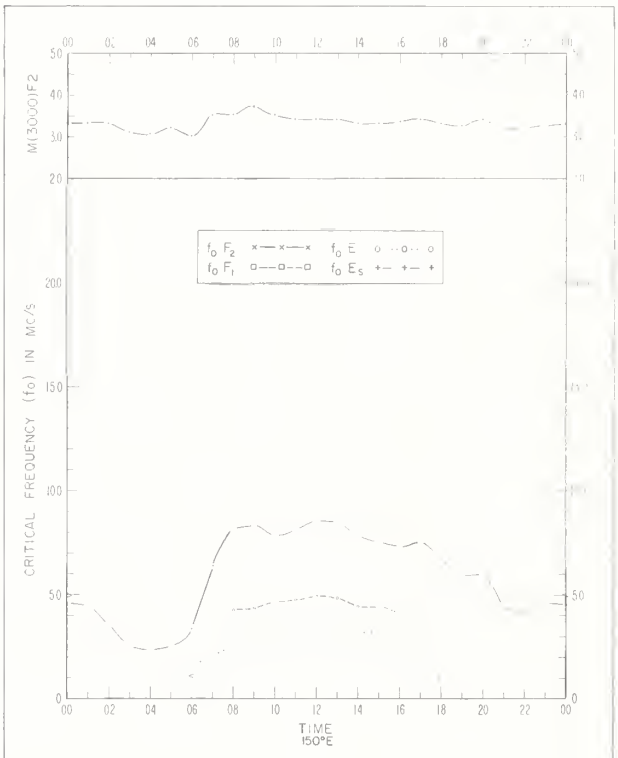

Fig 24 PORT MORESBY, PAPUA
9.4°S, 147.1°E
JUNE 1961

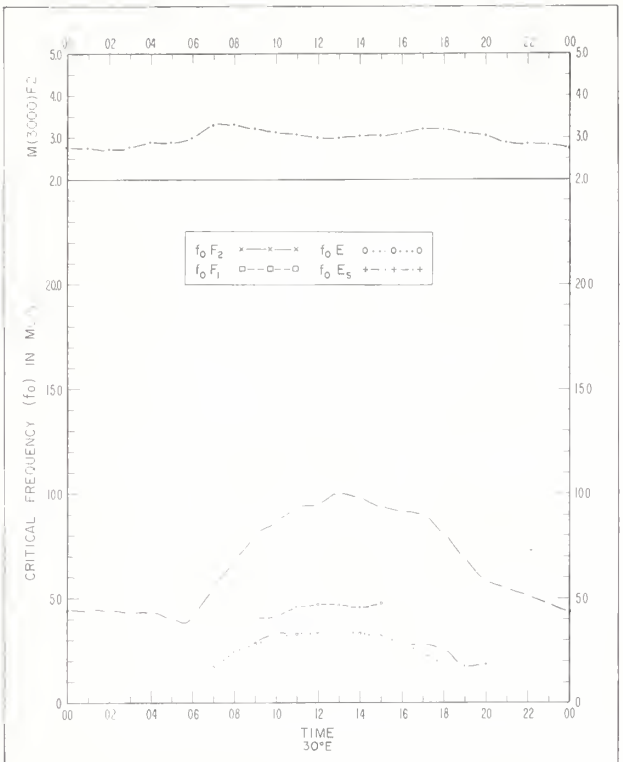

Fig 25 ATHENS, GREECE
38 0°N, 23 6°E
MARCH 1961

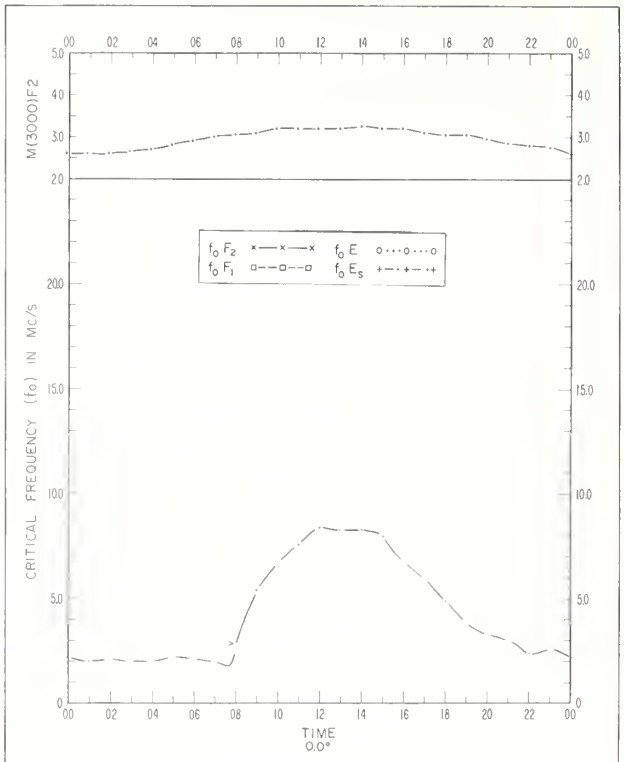

Fig 26 INVERNESS, SCOTLAND
57 4°N, 4 2°W
JANUARY 1961

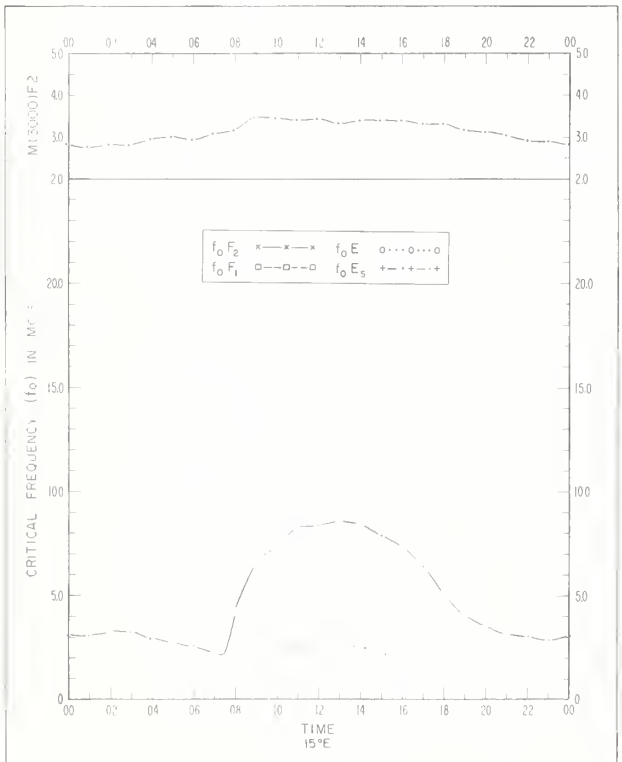

Fig 27 LINDAU/HARZ, GERMANY
51 6°N, 10 1°E
JANUARY 1961

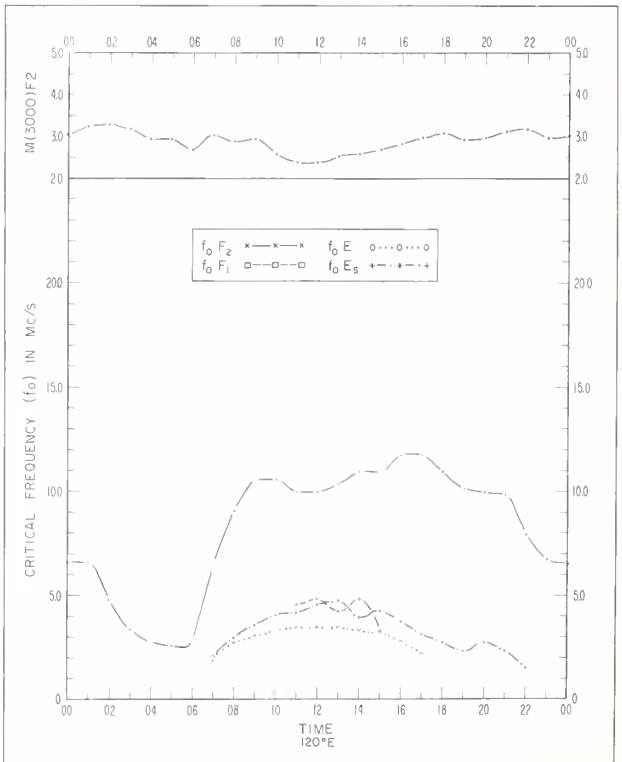

Fig 28 BAGUIO, LUZON
16 4°N, 120 6°E
JANUARY 1961

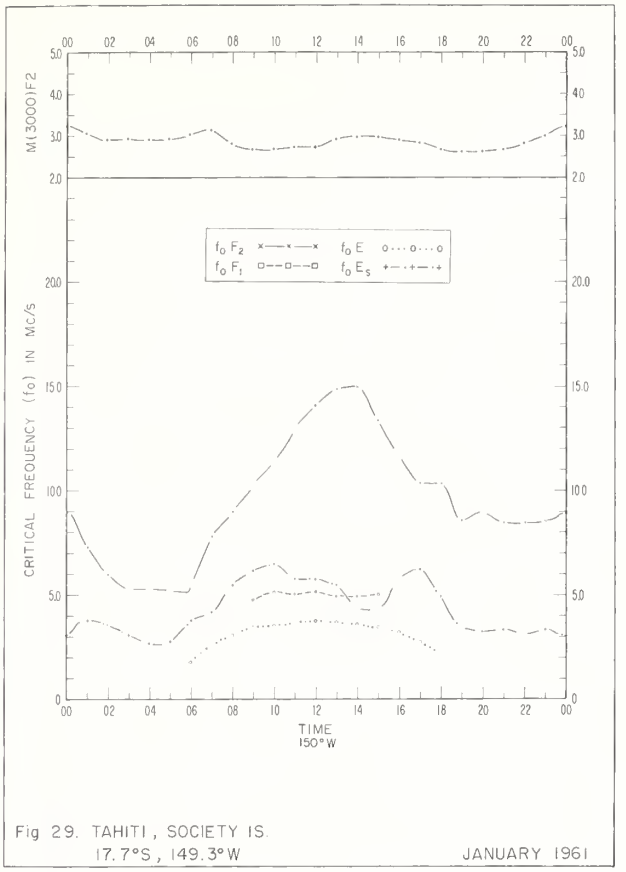

Fig 29. TAHITI, SOCIETY IS.
17.7°S, 149.3°W
JANUARY 1961

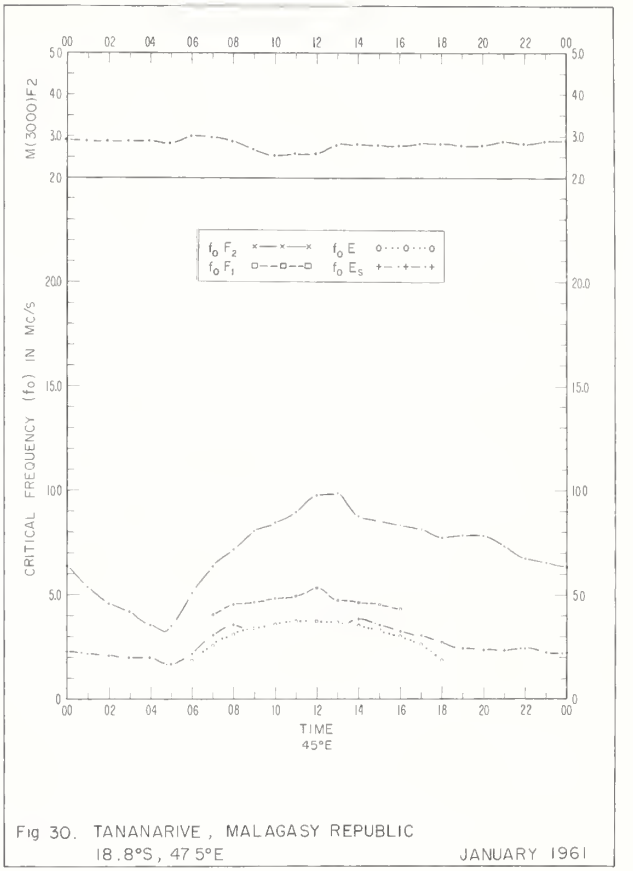

Fig 30. TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47.5°E
JANUARY 1961

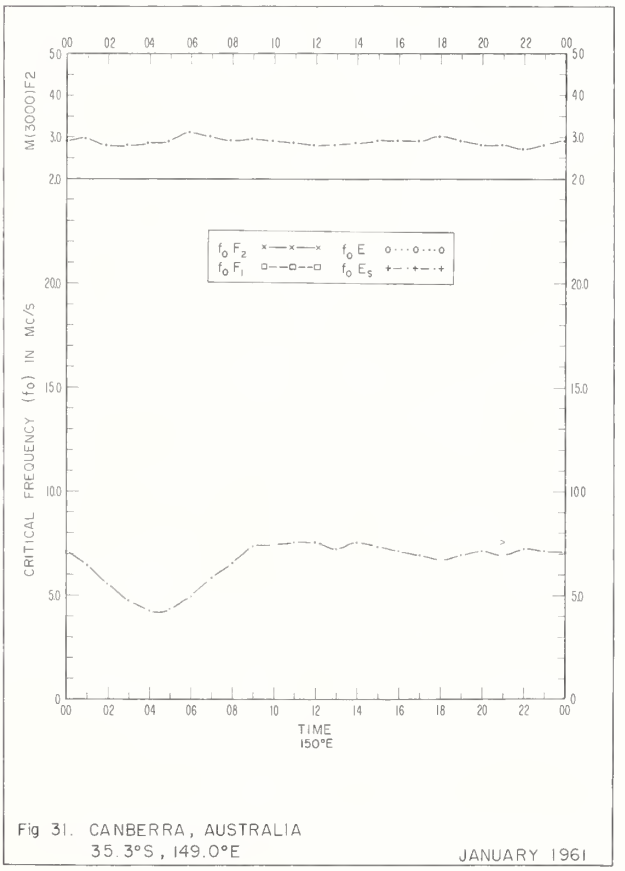

Fig 31. CANBERRA, AUSTRALIA
35.3°S, 149.0°E
JANUARY 1961

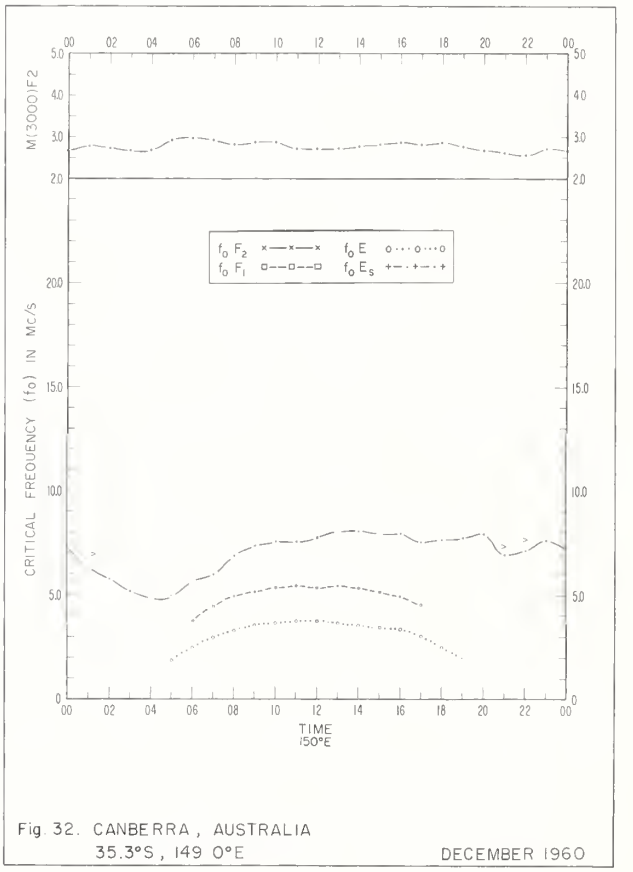

Fig 32. CANBERRA, AUSTRALIA
35.3°S, 149.0°E
DECEMBER 1960

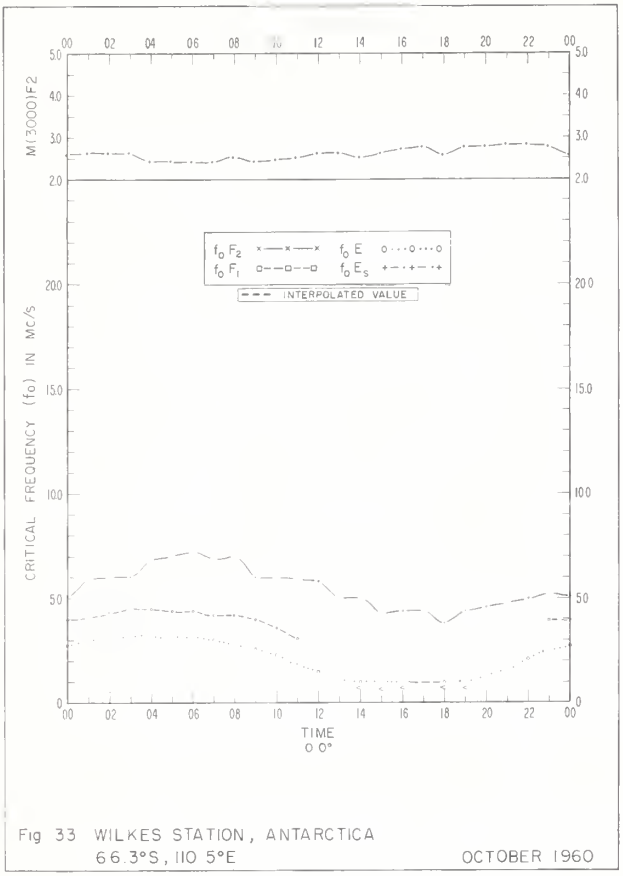

Fig 33 WILKES STATION, ANTARCTICA
66.3°S, 110.5°E
OCTOBER 1960

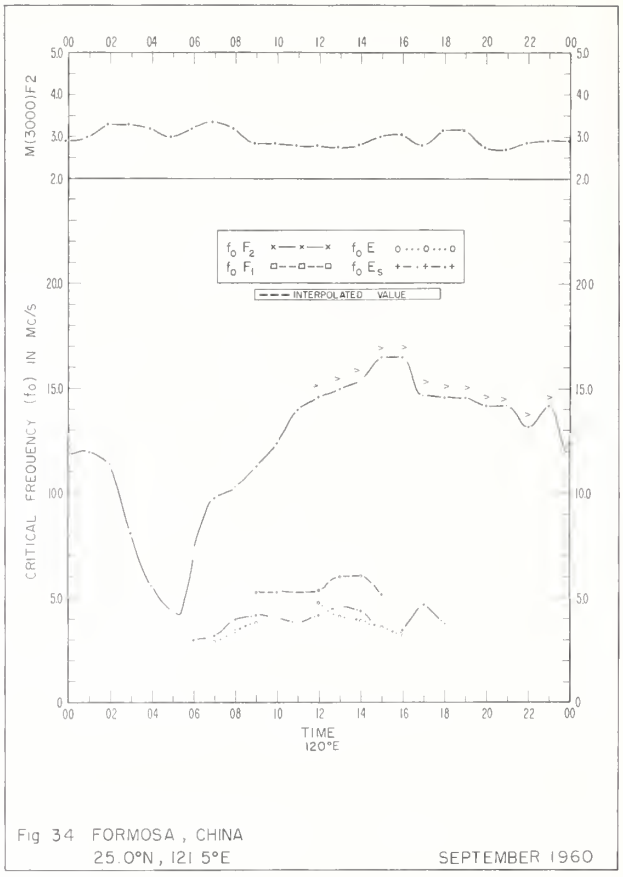

Fig 34 FORMOSA, CHINA
25.0°N, 121.5°E
SEPTEMBER 1960

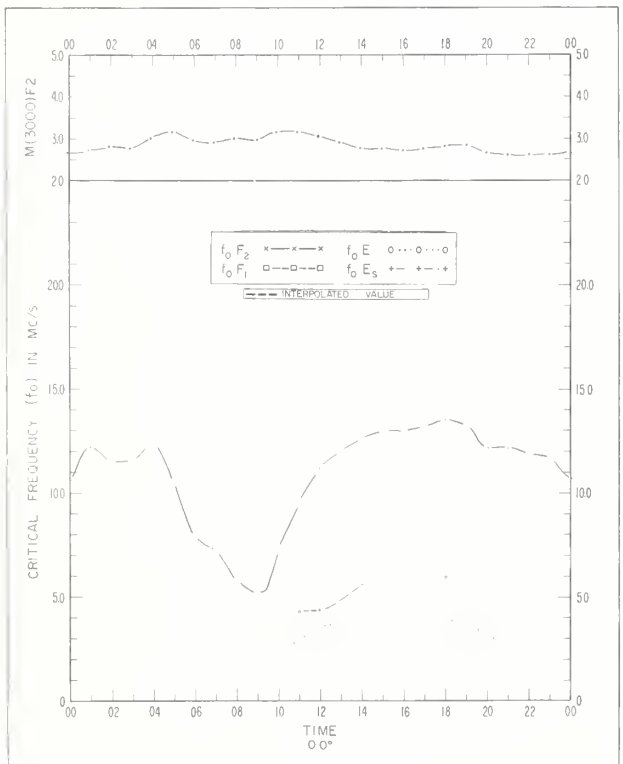

Fig. 35. PARAMARIBO, SURINAM
5.8°N, 55.2°W
SEPTEMBER 1960

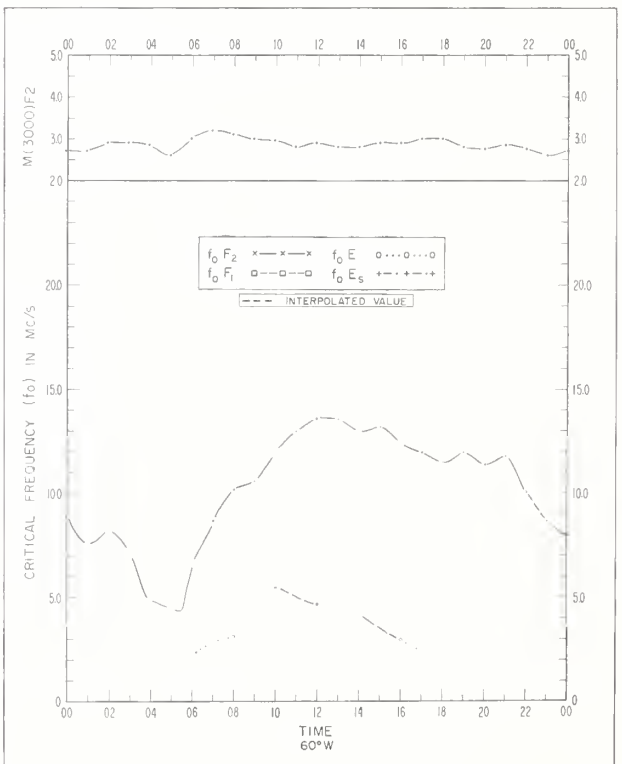

Fig 36. BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W
SEPTEMBER 1960

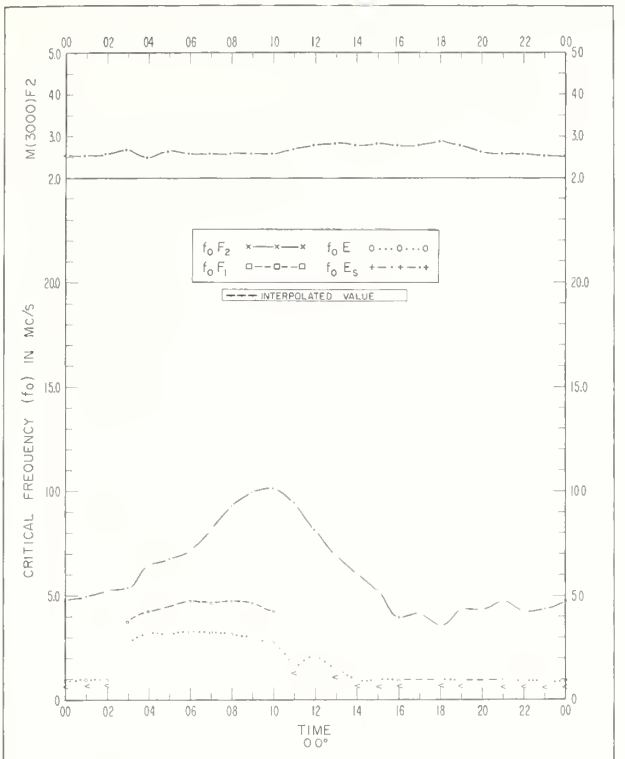

Fig 37. MAWSON, ANTARCTICA
67 6°S, 62 9°E
SEPTEMBER 1960

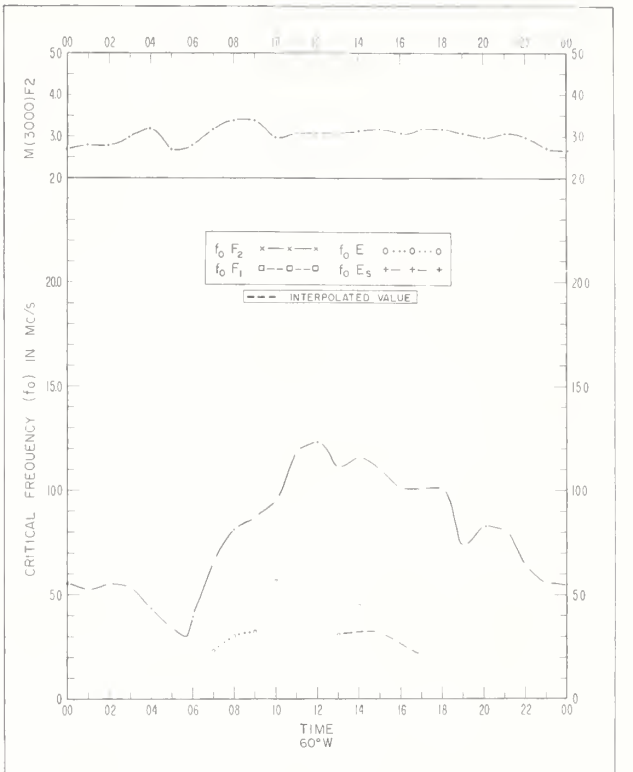

Fig 38 BUENOS AIRES, ARGENTINA
34 5°S, 58.5°W
AUGUST 1960

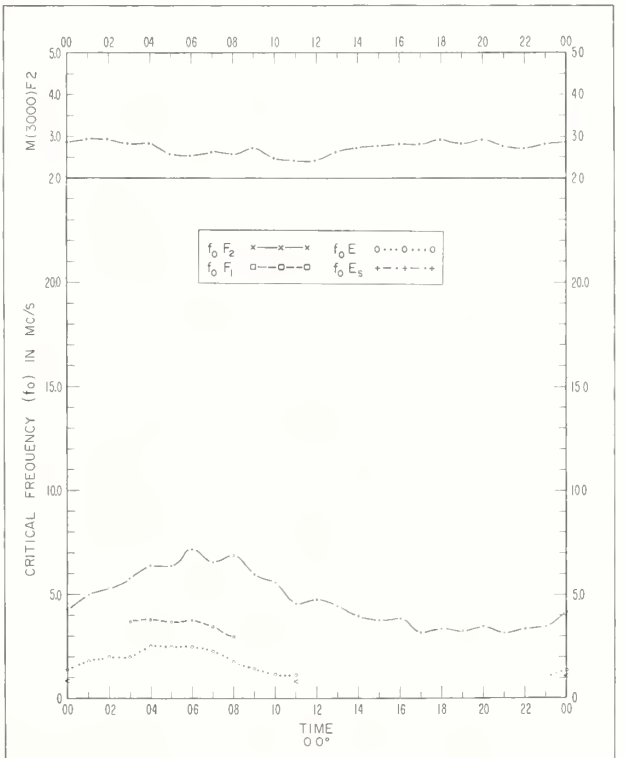

Fig. 39. WILKES STATION, ANTARCTICA
66. 3°S, 110. 5°E
AUGUST 1960

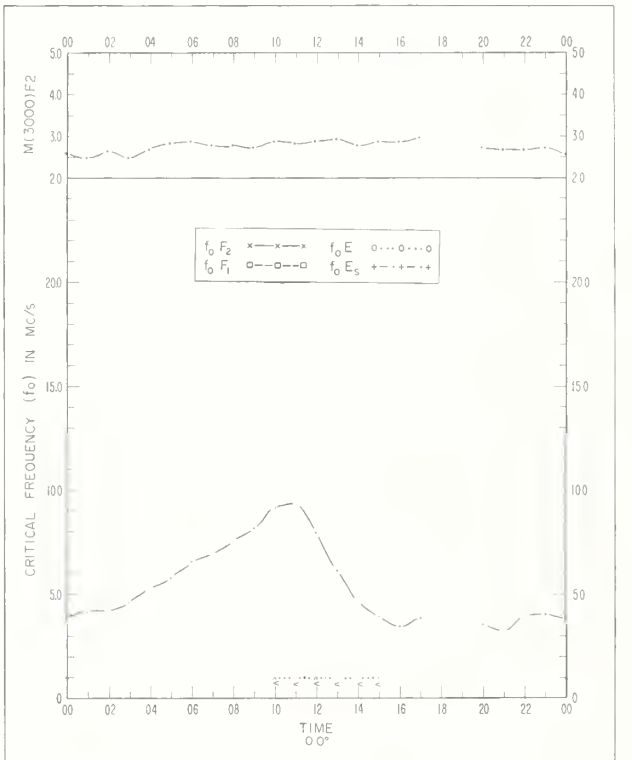

Fig 40. MAWSON, ANTARCTICA
67.6°S, 62 9°E
AUGUST 1960

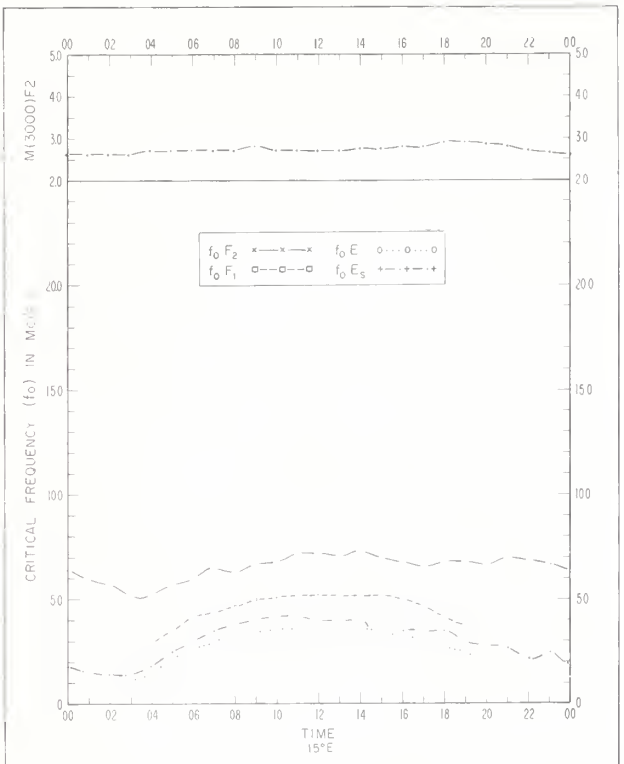

Fig 41 JULIUSRUH / RUGEN, GERMANY
54 6°N, 13 4°E
JULY 1960

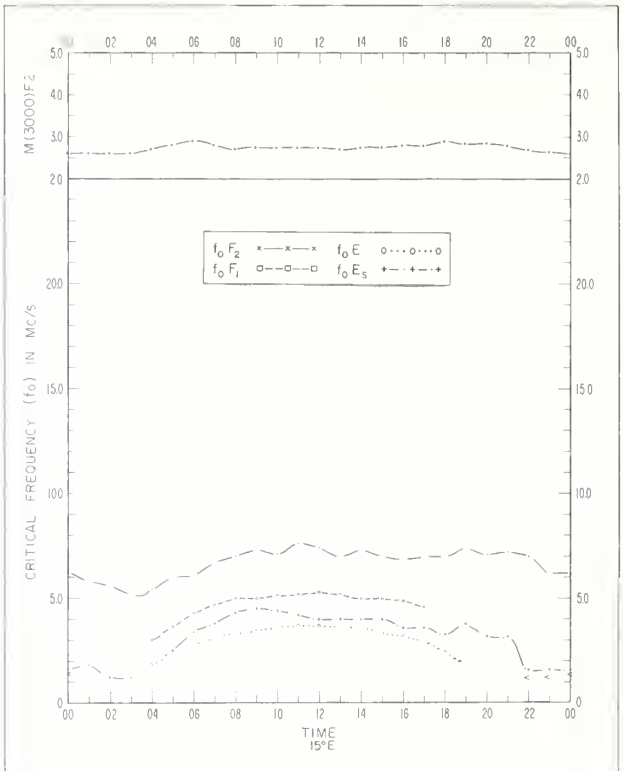

Fig 42. WARSAW, POLAND
52 1°N, 21 2°E
JULY 1960

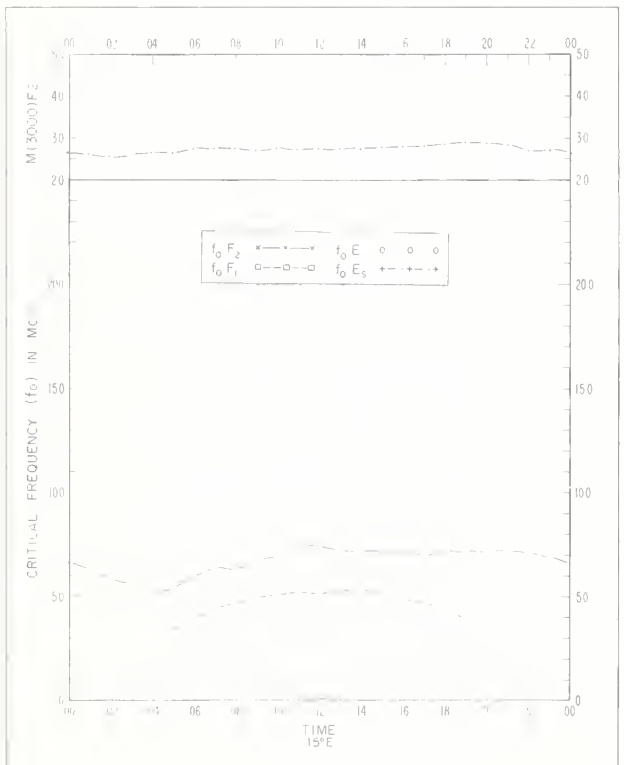

Fig 43. LINDAU / HARZ, GERMANY
51 6°N, 10 1°E
JULY 1960

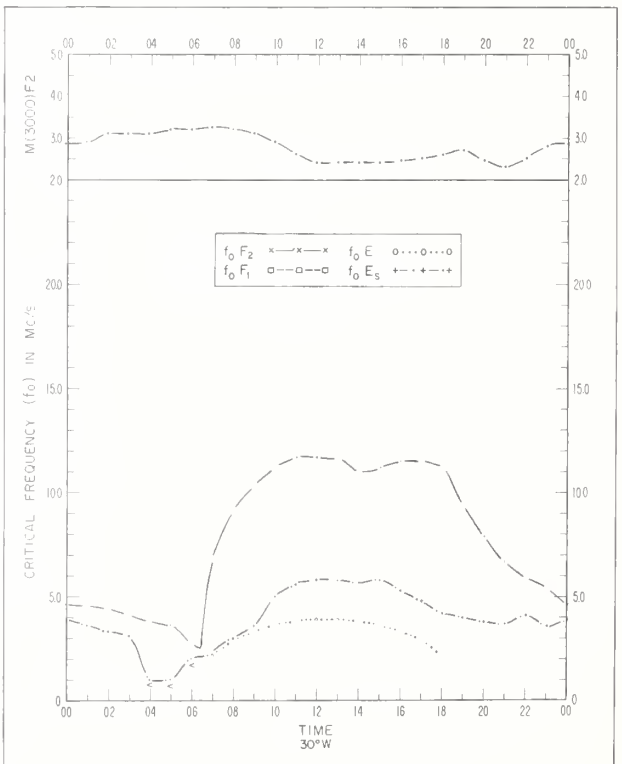

Fig 44 NATAL, BRAZIL
5.7°S, 35.2°W
JULY 1960

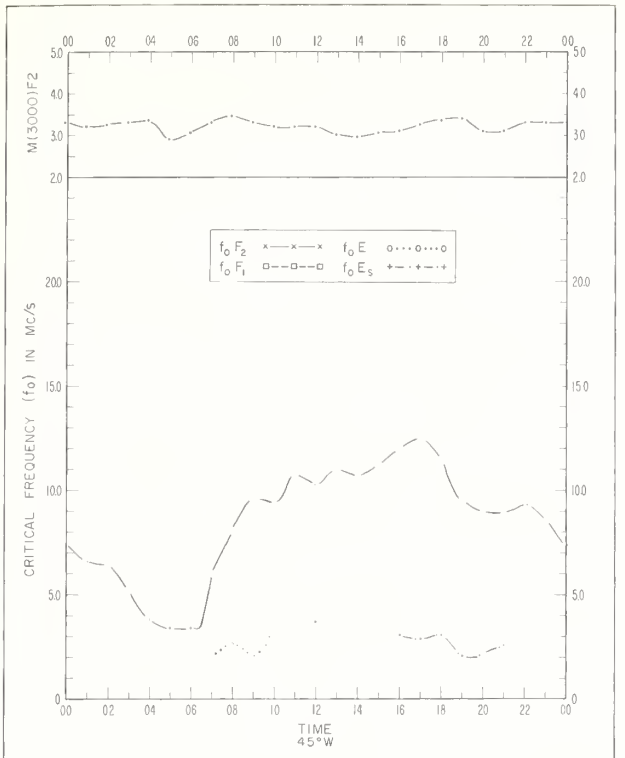

Fig 45. SAO PAULO, BRAZIL
23.5°S, 46.5°W
JULY 1960

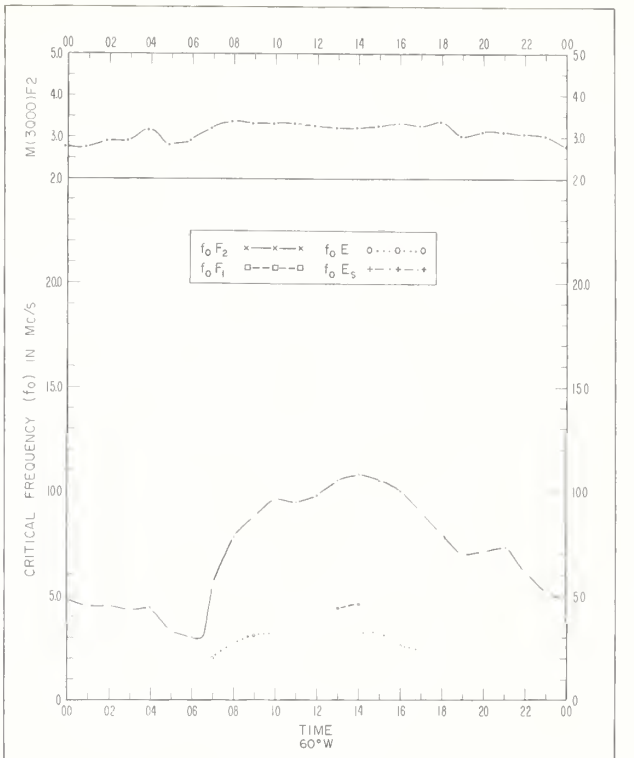

Fig 46. BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W
JULY 1960

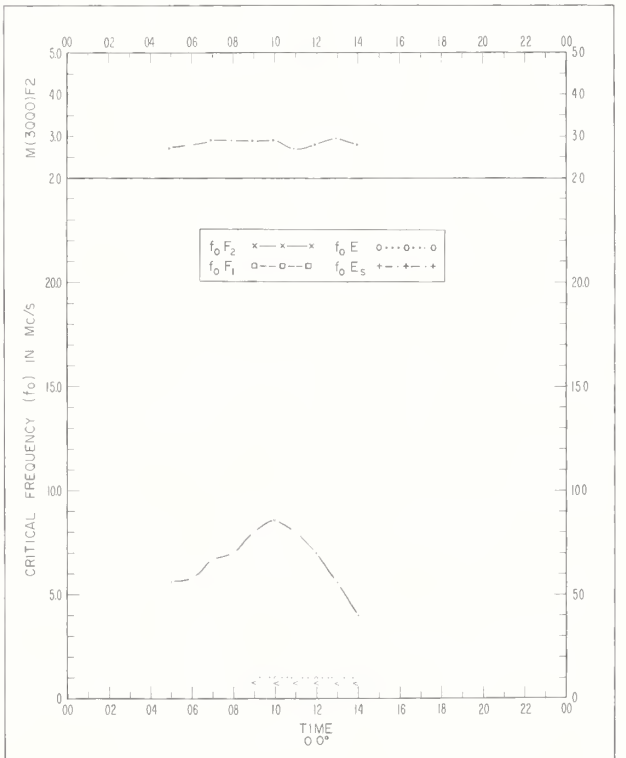

Fig 47. MAWSON, ANTARCTICA
67.6°S, 62.9°E
JULY 1960

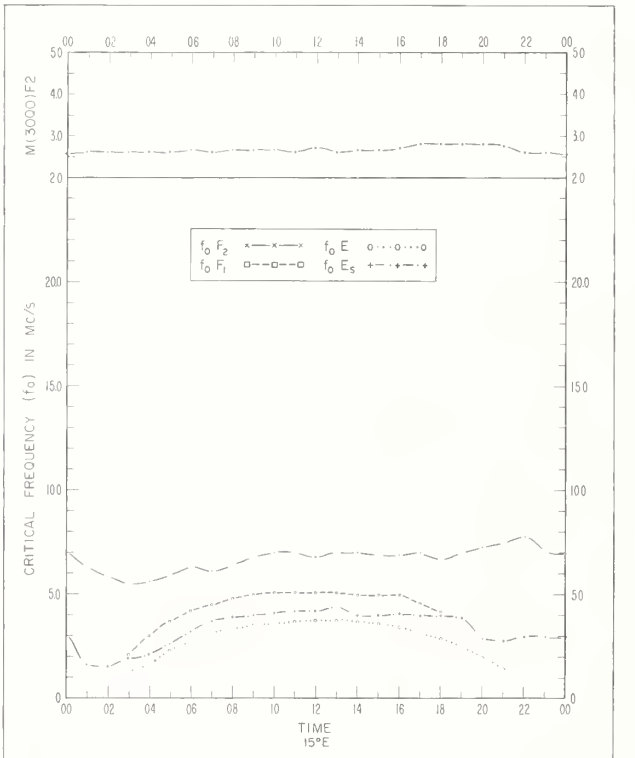

Fig 48. JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E
JUNE 1960

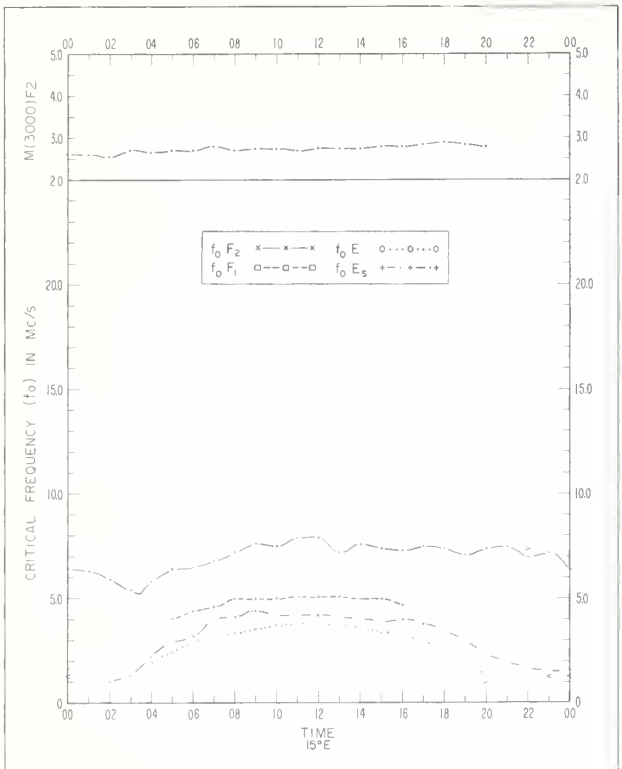

Fig 49 WARSAW, POLAND
52 1°N, 21 2°E
JUNE 1960

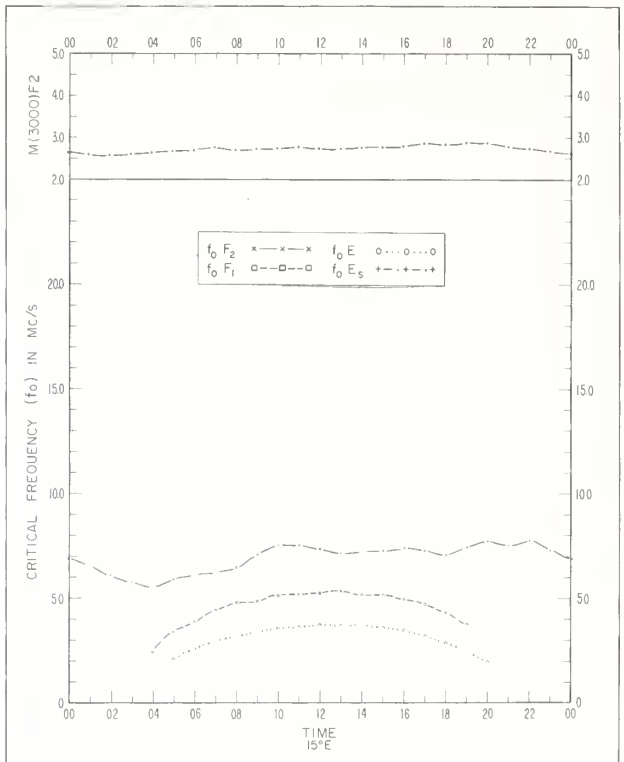

Fig 50. LINDAU/HARZ, GERMANY
51 6°N, 10 1°E
JUNE 1960

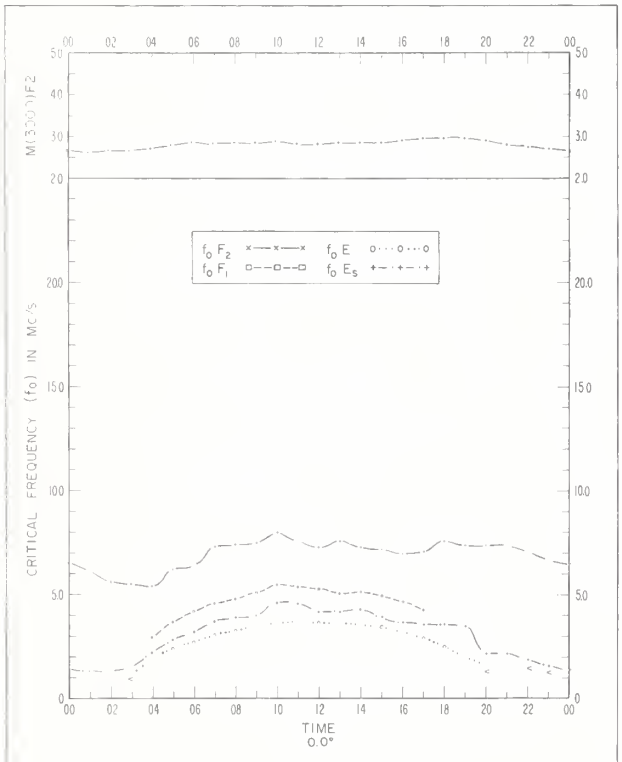

Fig 51. DOURBES, BELGIUM
50 1°N, 4 6°E
JUNE 1960

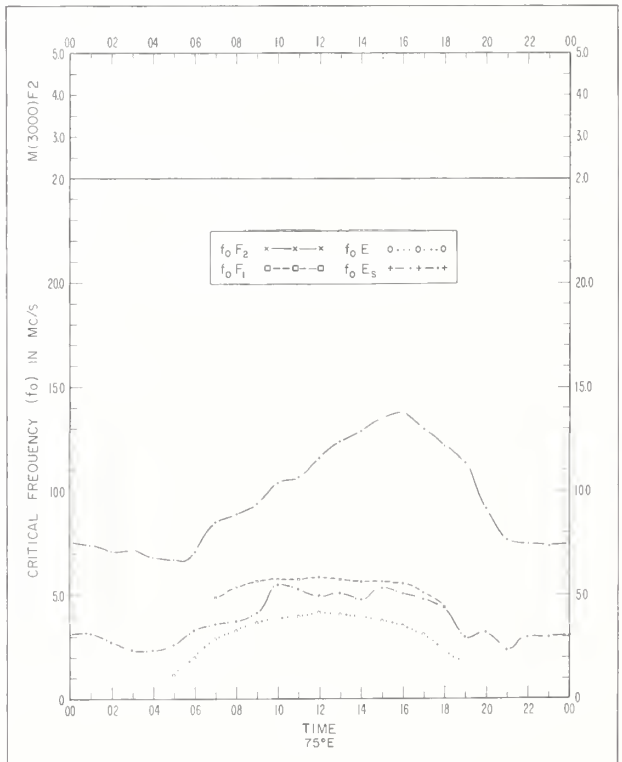

Fig 52. AHMEDABAD, INDIA
23 0°N, 72 6°E
JUNE 1960

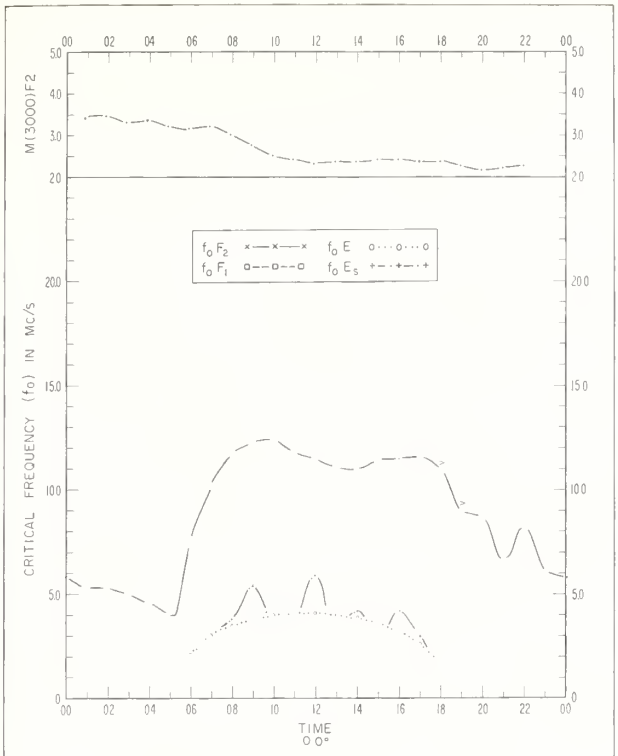

Fig 53. IBADAN, NIGERIA
7.4°N, 3.9°E
JUNE 1960

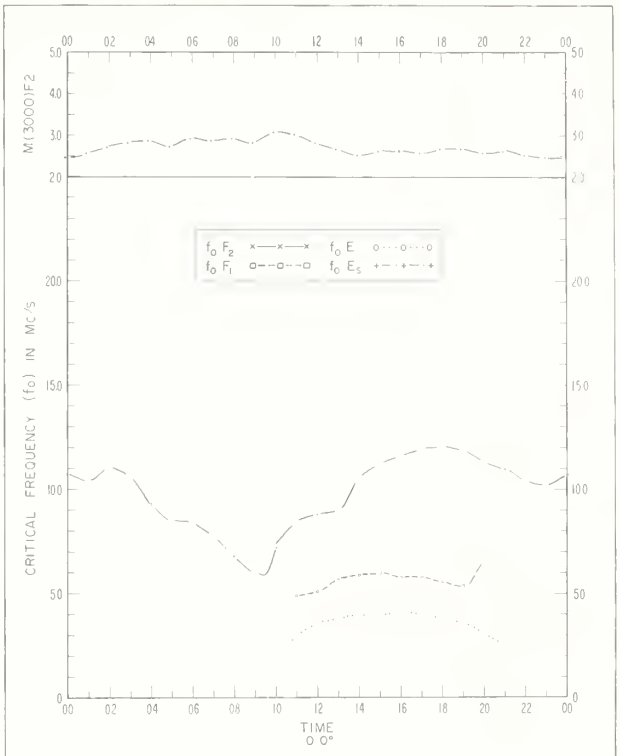

Fig 54 PARAMARIBO, SURINAM
5.8°N, 55.2°W
JUNE 1960

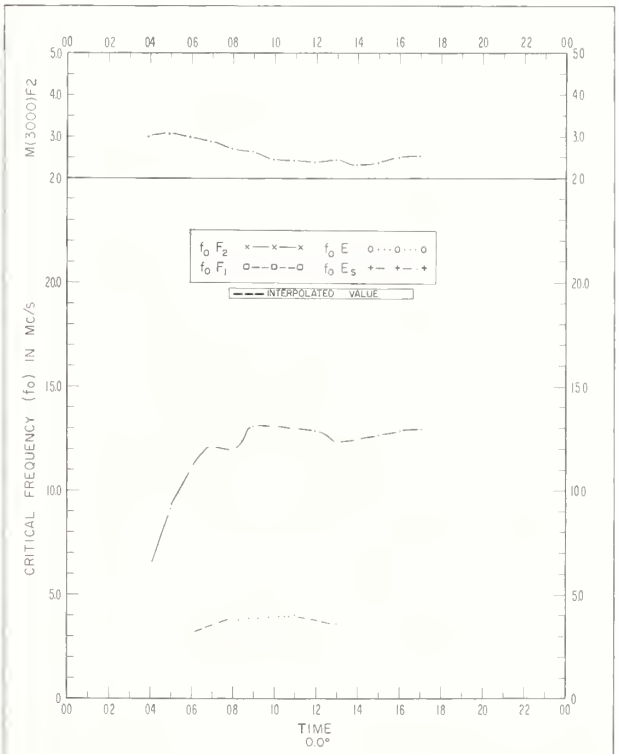

Fig 55. BUNIA, CONGO
1.5°N, 30.2°E
JUNE 1960

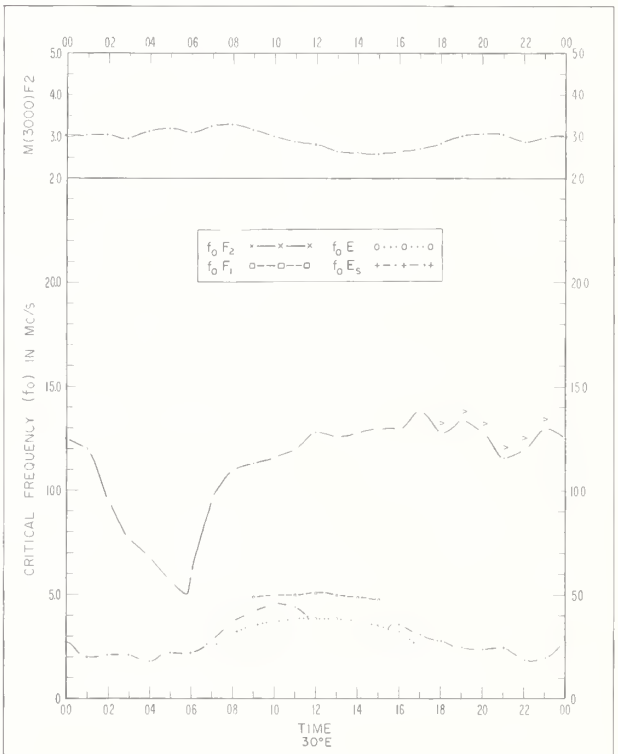

Fig 56. LWIRO, CONGO
2.3°S, 28.8°E
JUNE 1960

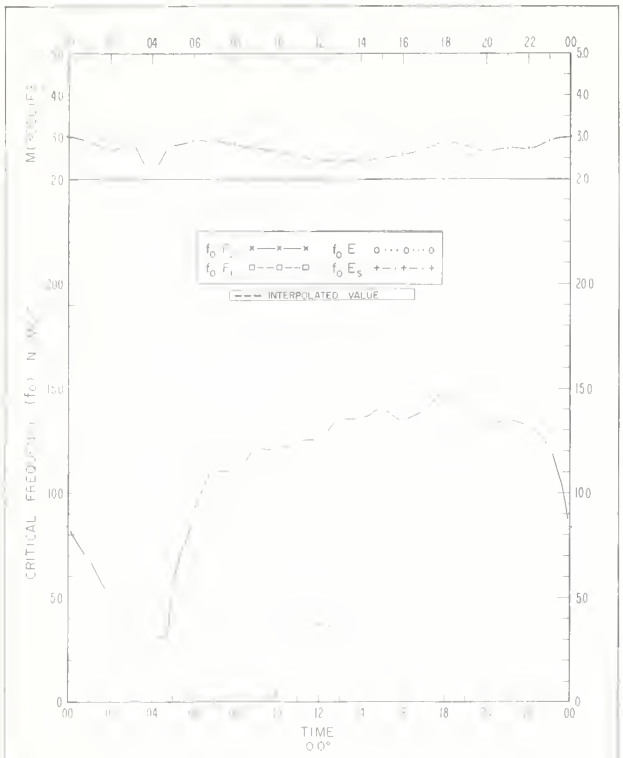

Fig 57 LEOPOLDVILLE, CONGO
4 4°S, 15 2°E
JUNE 1960

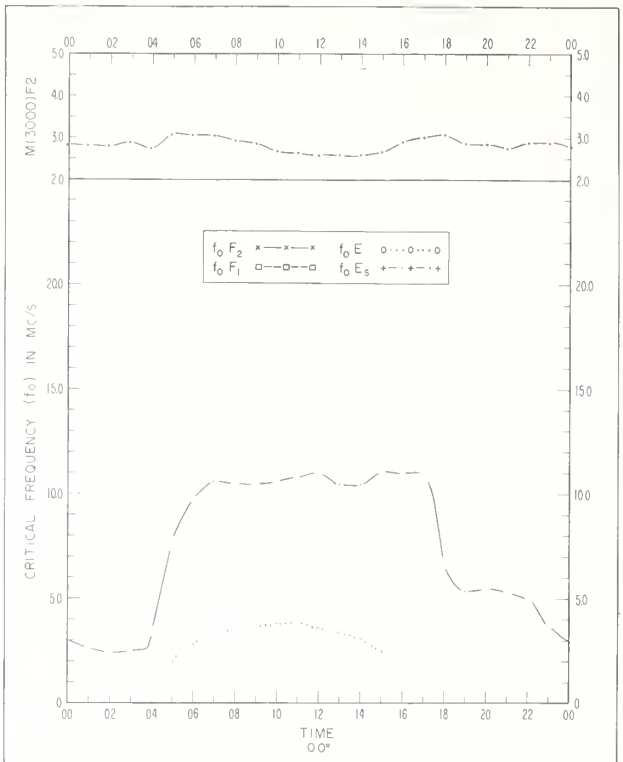

Fig 58. ELISABETHVILLE, CONGO
11 6°S, 27 5°E
JUNE 1960

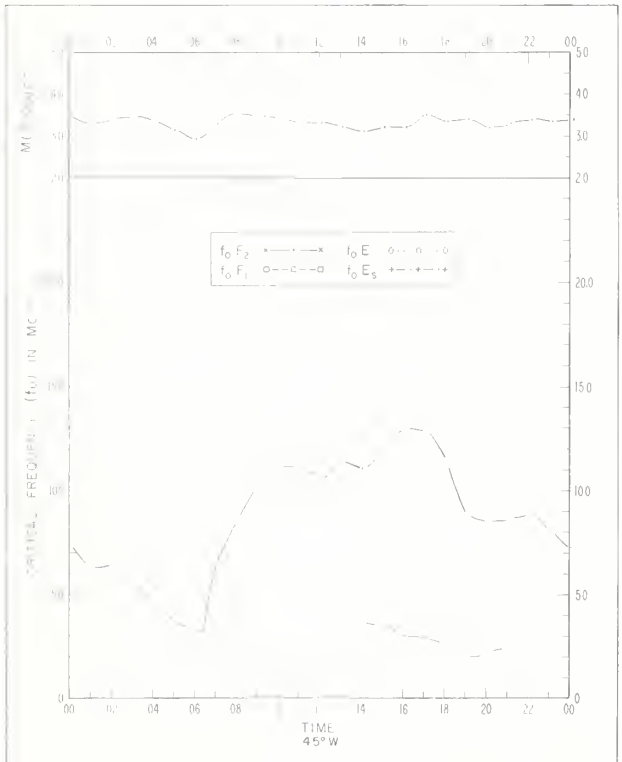

Fig 59 SAO PAULO, BRAZIL
23 5°S, 46 5°W
JUNE 1960

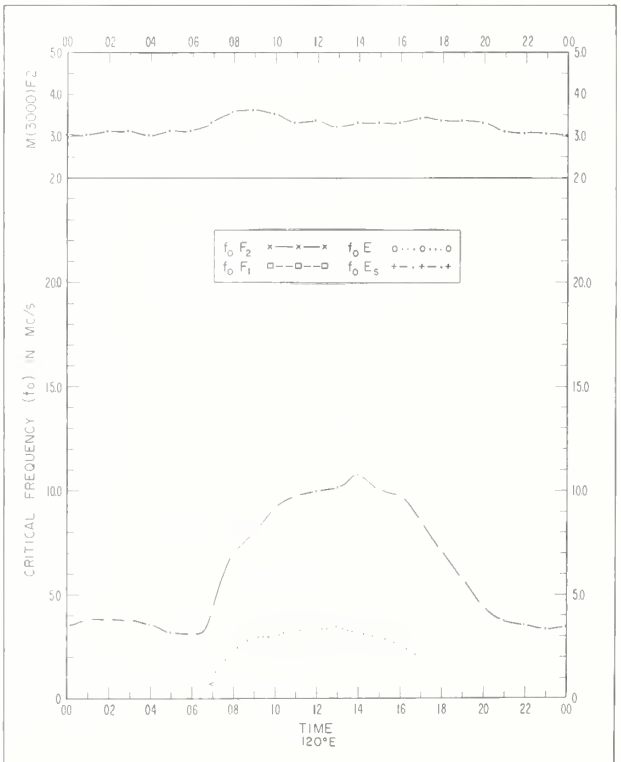

Fig 60. MUNDARING, W AUSTRALIA
32 0°S, 116 2°E
JUNE 1960

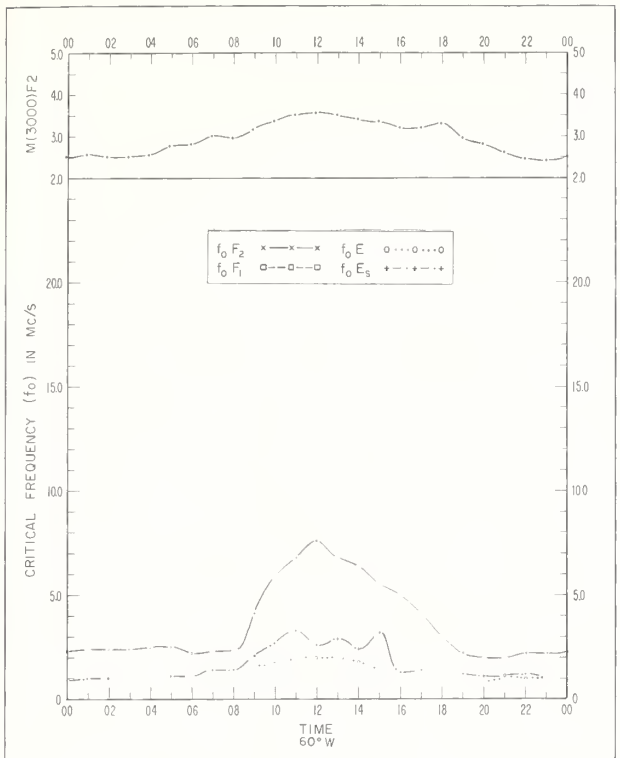

Fig 61. PORT LOCKROY, ANTARCTICA
64.8°S, 63.5°W
JUNE 1960

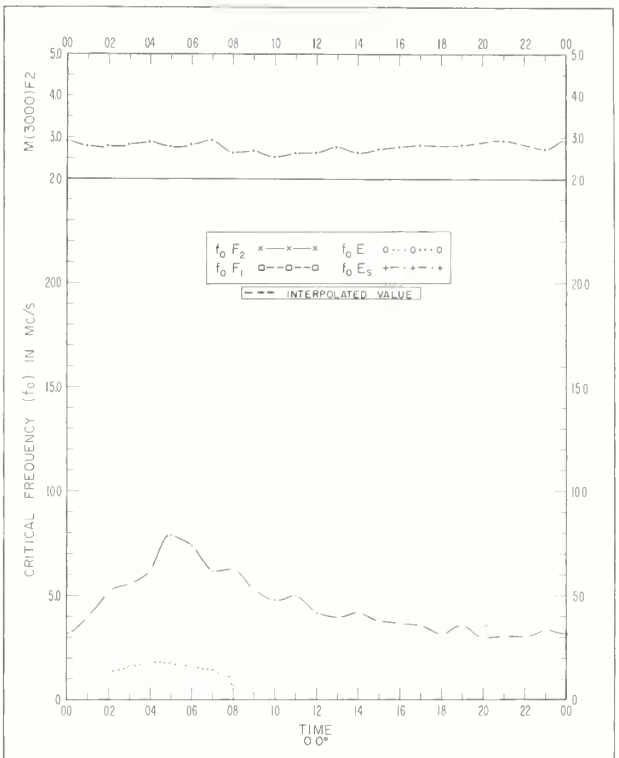

Fig 62 WILKES STATION, ANTARCTICA
66.3°S, 110.5°E
JUNE 1960

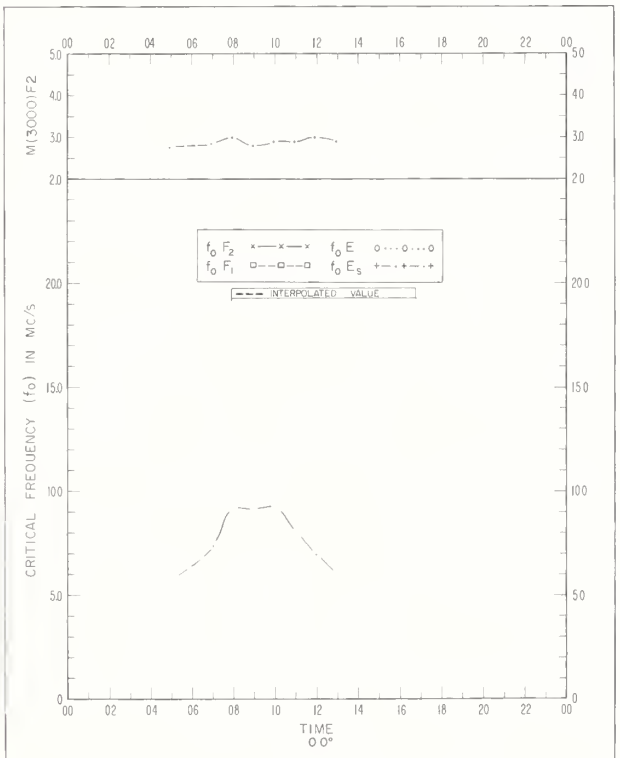

Fig 63. MAWSON, ANTARCTICA
67.6°S, 62.9°E
JUNE 1960

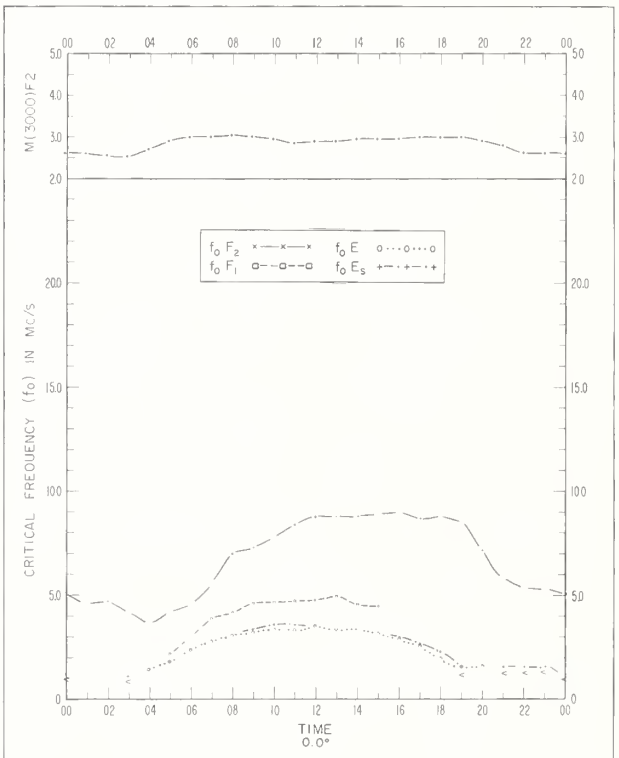

Fig 64. DOURBES, BELGIUM
50.1°N, 4.6°E
APRIL 1960

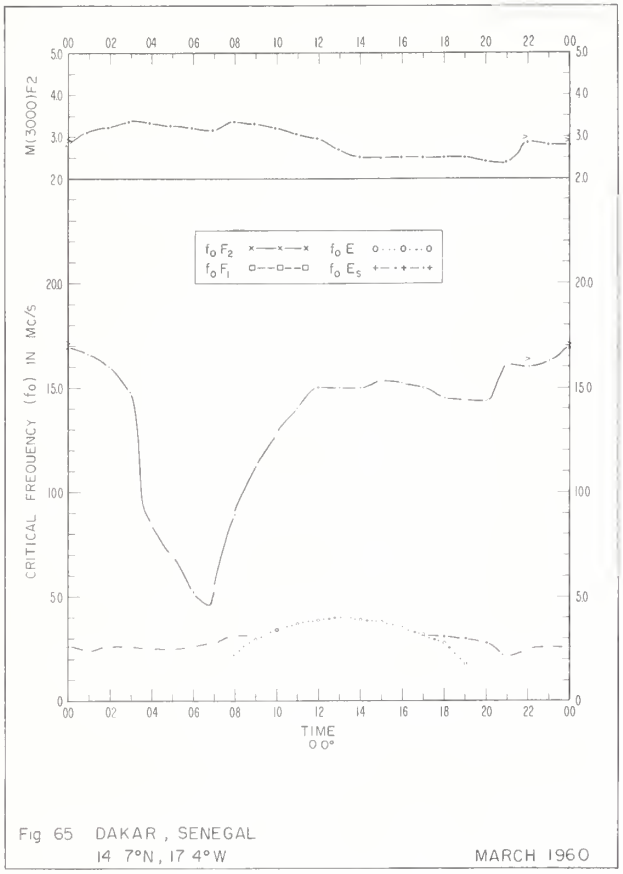

Fig 65 DAKAR, SENEGAL
14 7°N, 17 4°W
MARCH 1960

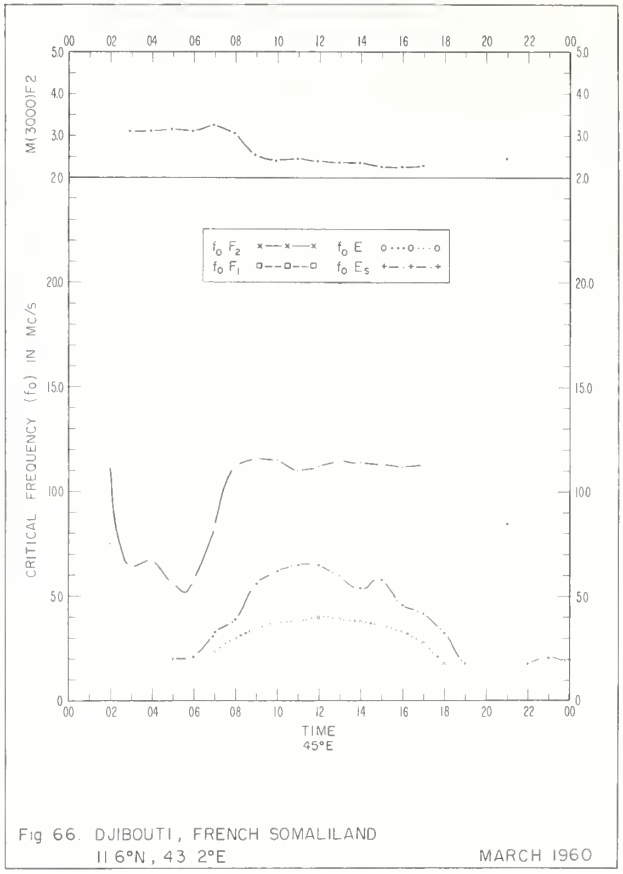

Fig 66 DJIBOUTI, FRENCH SOMALILAND
11 6°N, 43 2°E
MARCH 1960

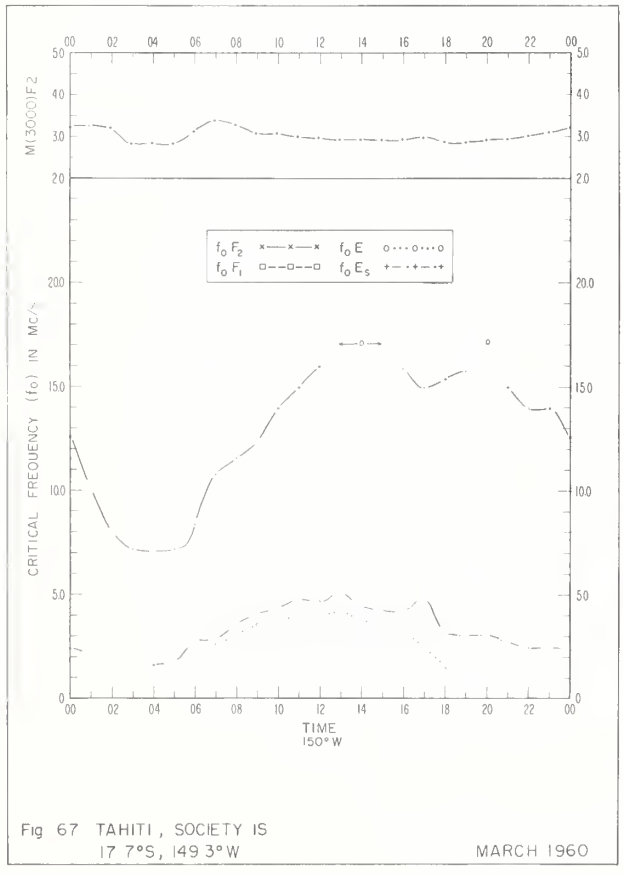

Fig 67 TAHITI, SOCIETY IS
17 7°S, 149 3°W
MARCH 1960

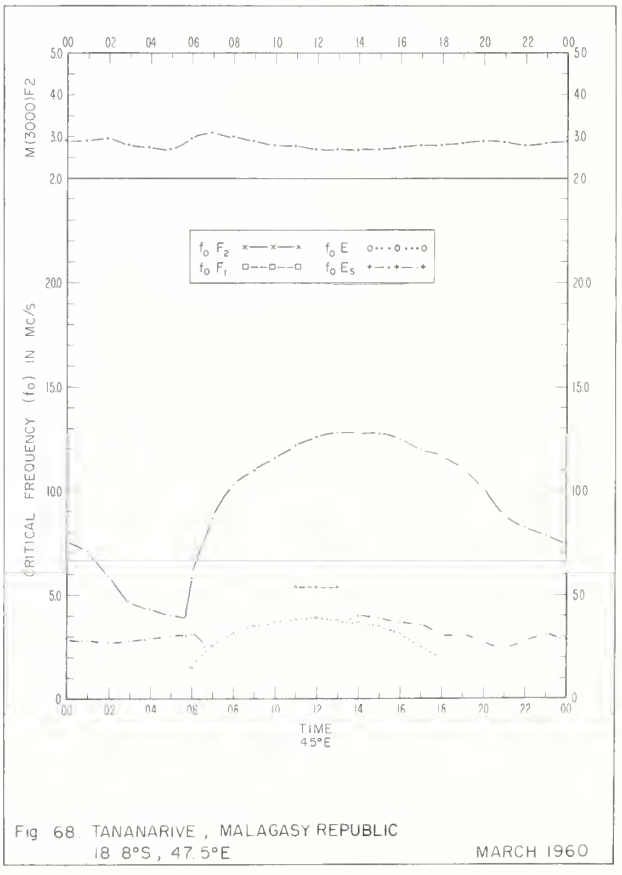

Fig 68 TANANARIVE, MALAGASY REPUBLIC
18 8°S, 47 5°E
MARCH 1960

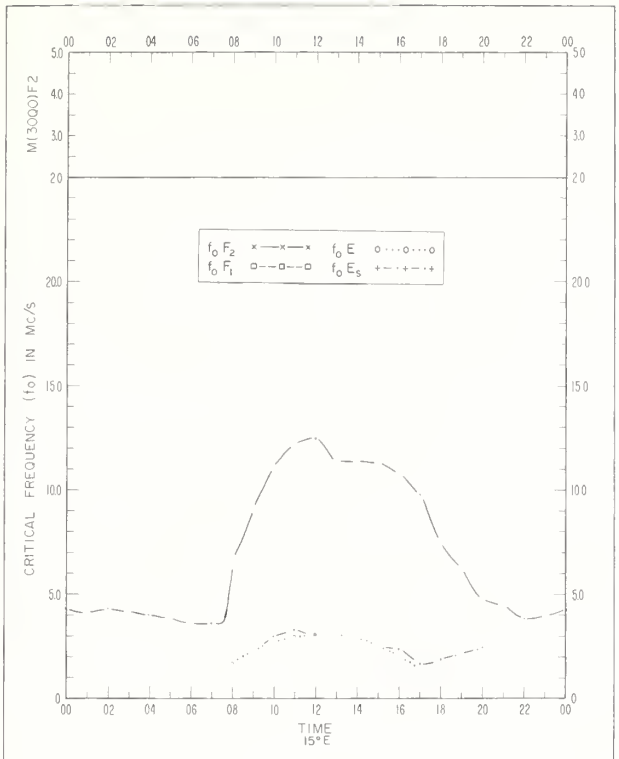

Fig 69. GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9.0°E
DECEMBER 1959

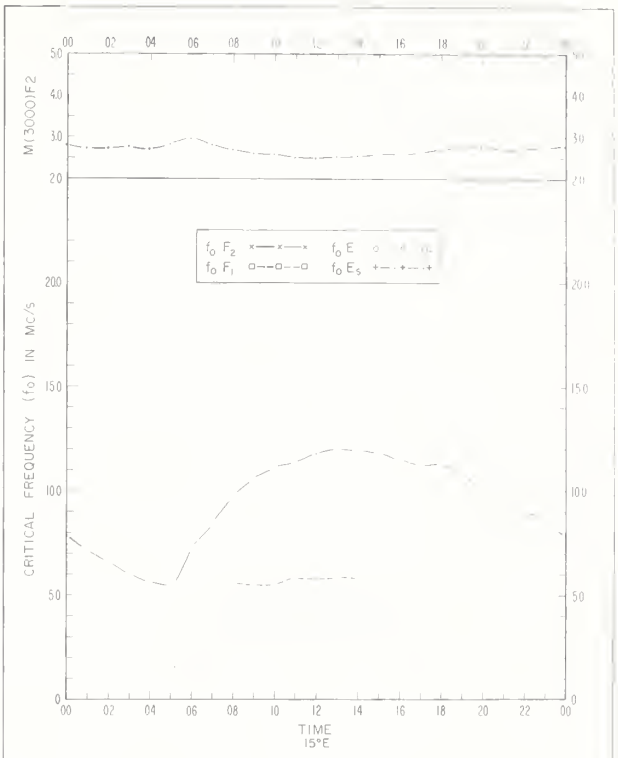

Fig 70 TSUMEB, SOUTH W AFRICA
19 2°S, 17 7°E
DECEMBER 1959

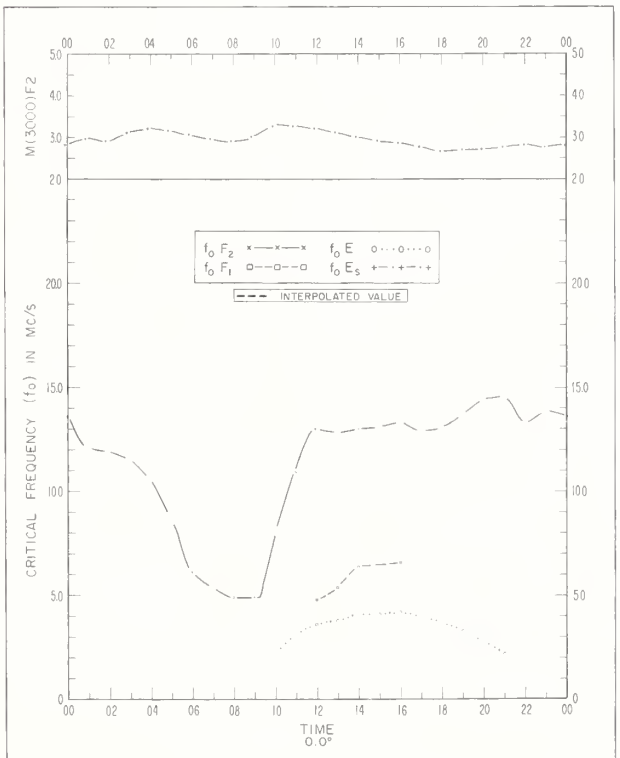

Fig 71. PARAMARIBO, SURINAM
5 8°N, 55 2°W
NOVEMBER 1959

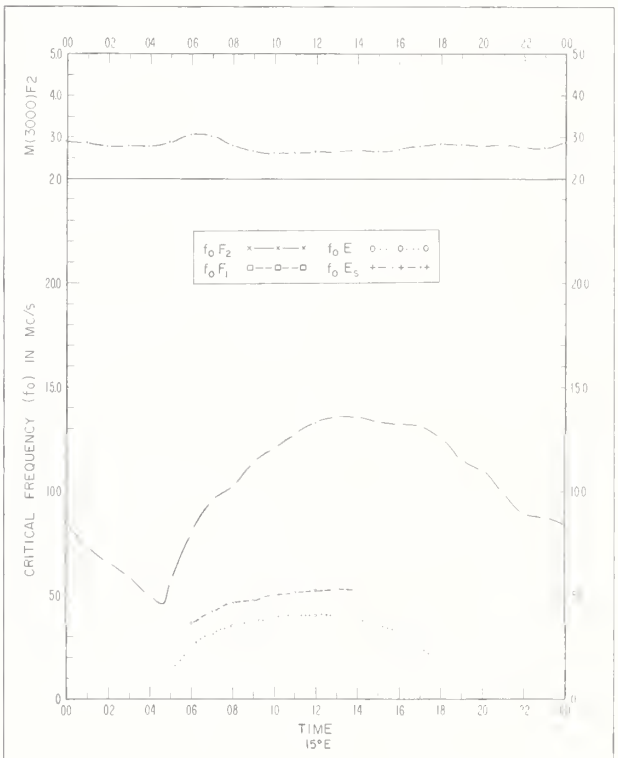

Fig 72 TSUMEB, SOUTH W AFRICA
19 2°S, 17 7°E
NOVEMBER 1959

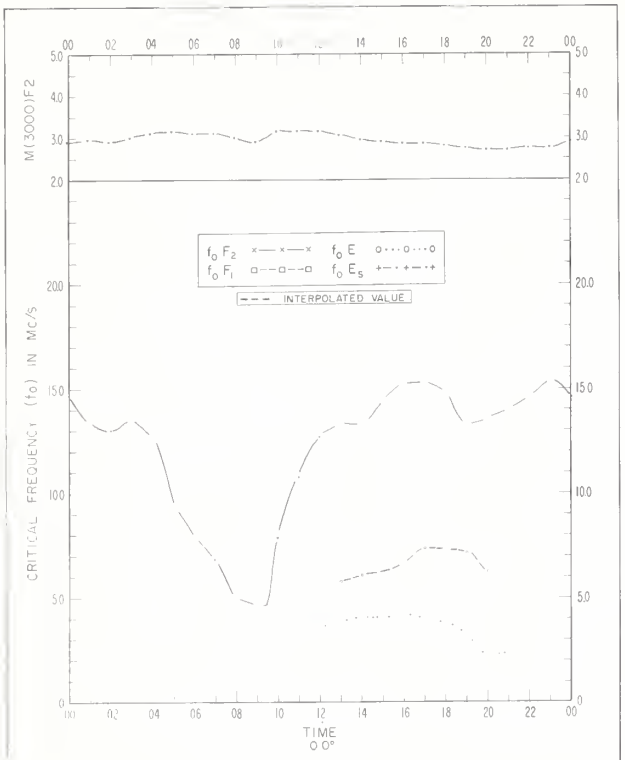

Fig 73 PARAMARIBO, SURINAM
5 8°N, 55 2°W
OCTOBER 1959

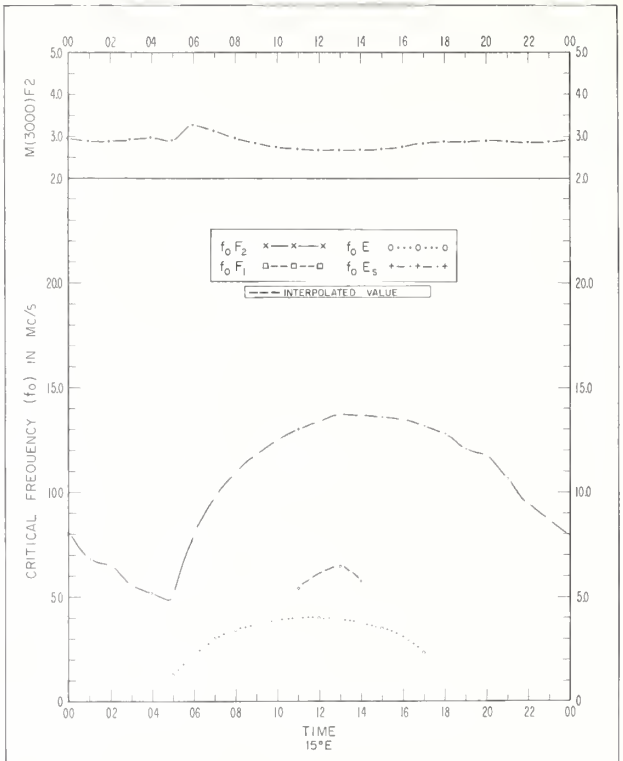

Fig 74 TSUMEB, SOUTH W AFRICA
19 2°S, 17.7°E
OCTOBER 1959

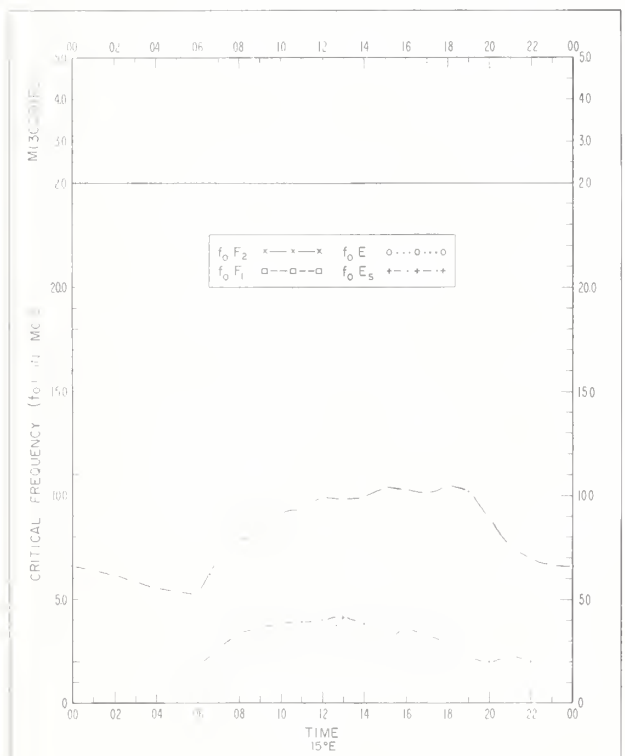

Fig 75 GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9 0°E
SEPTEMBER 1959

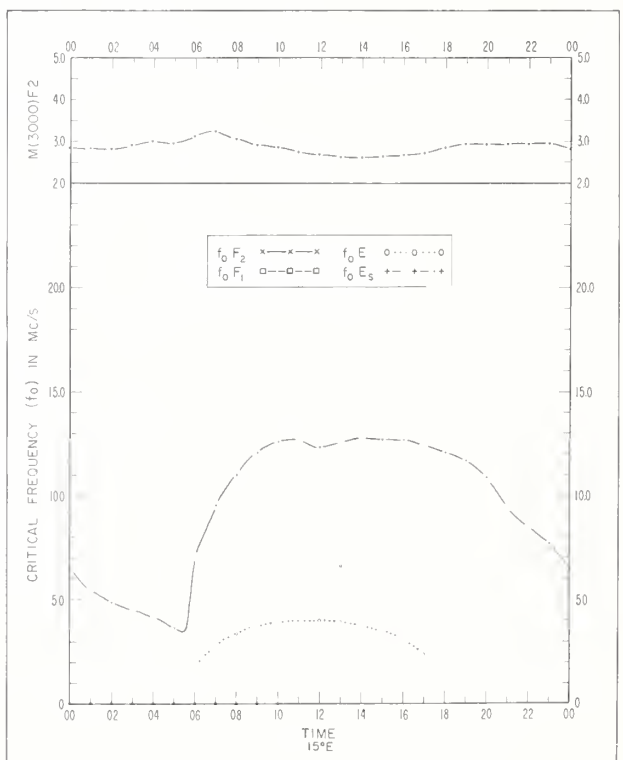

Fig 76. TSUMEB, SOUTH W AFRICA
19 2°S, 17 7°E
SEPTEMBER 1959

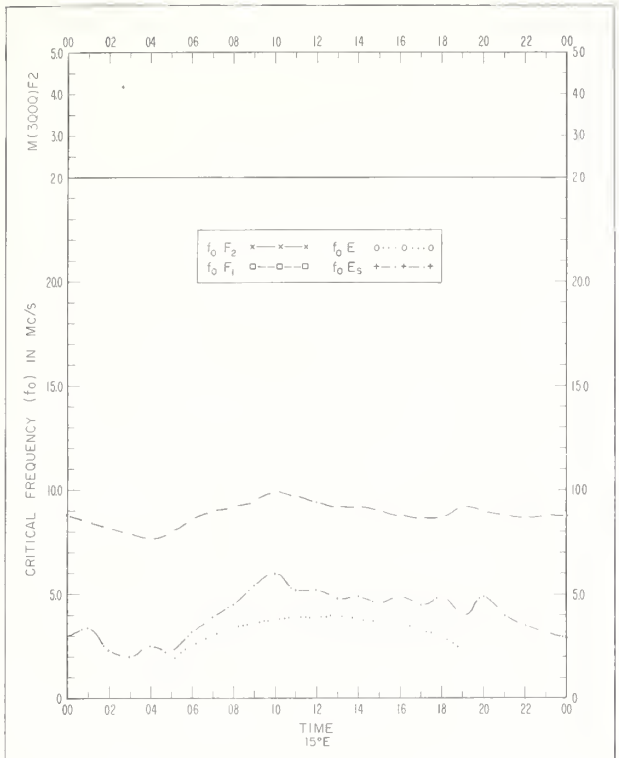

Fig 77. GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9 0°E
JUNE 1959

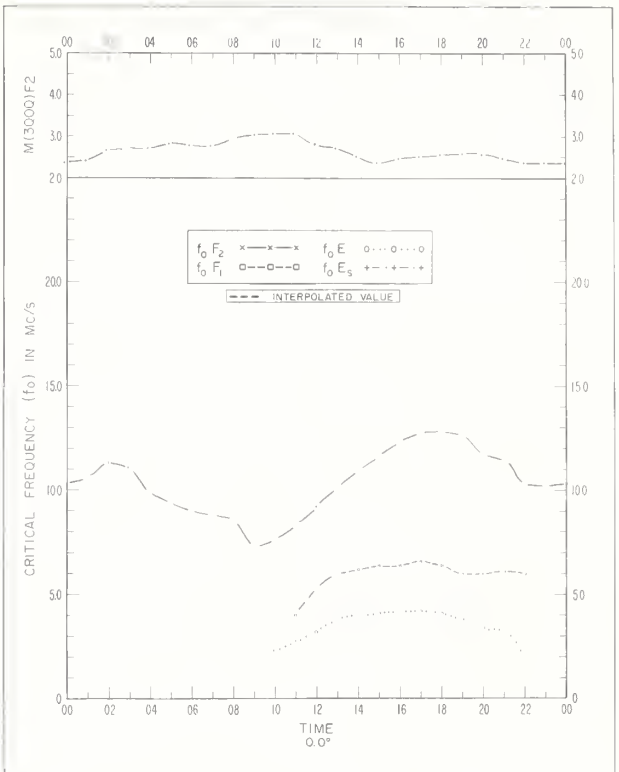

Fig 78 PARAMARIBO, SURINAM
5 8°N, 55 2°W
JUNE 1959

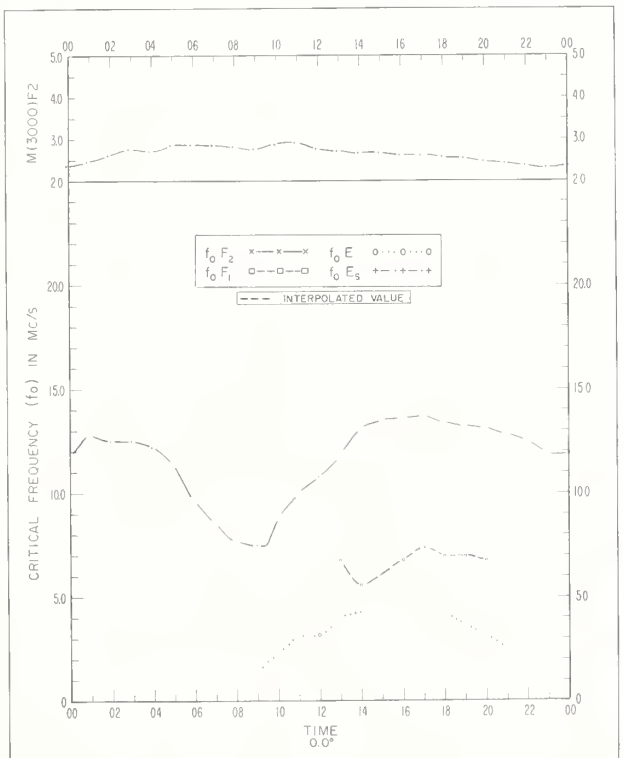

Fig 79. PARAMARIBO, SURINAM
5.8°N, 55.2°W
MAY 1959

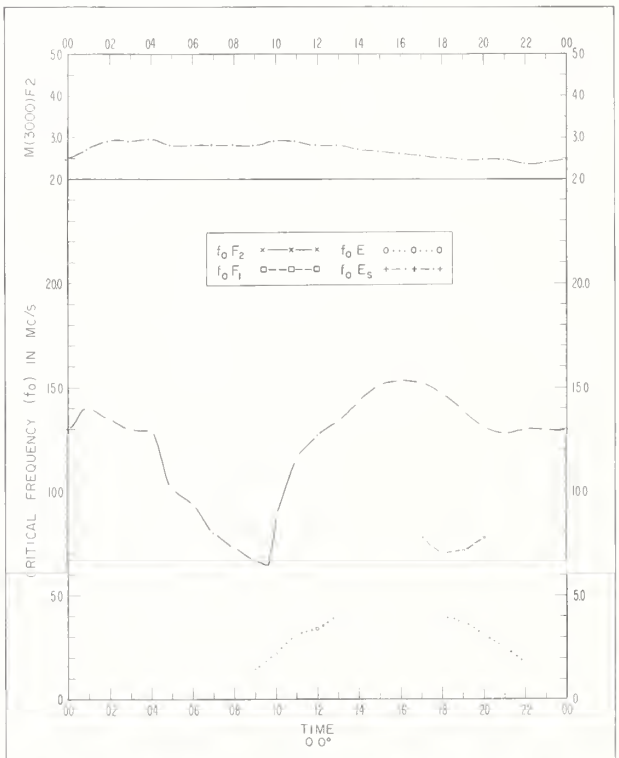

Fig 80. PARAMARIBO, SURINAM
5 8°N, 55.2°W
APRIL 1959

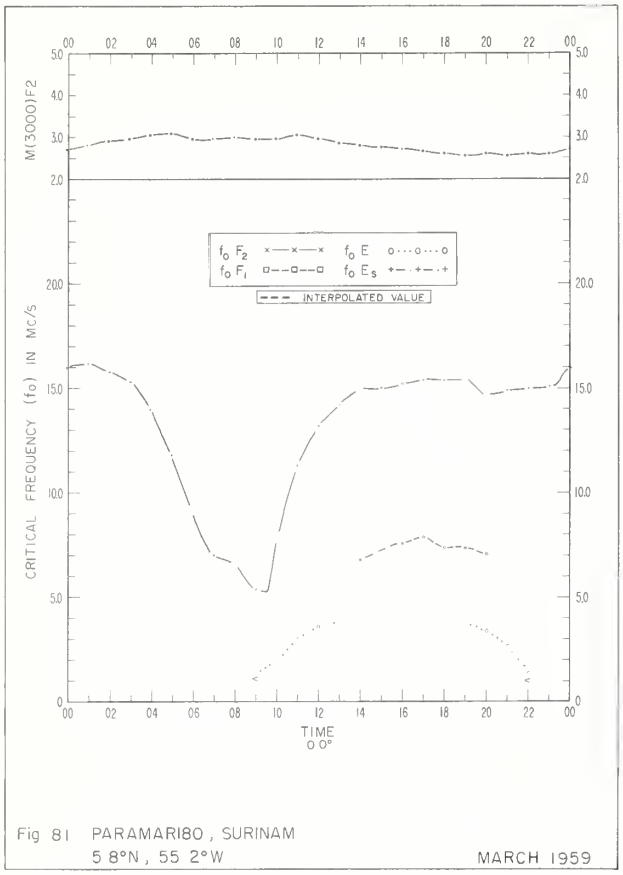

Fig 81 PARAMARIBO, SURINAM
5.8°N, 55.2°W
MARCH 1959

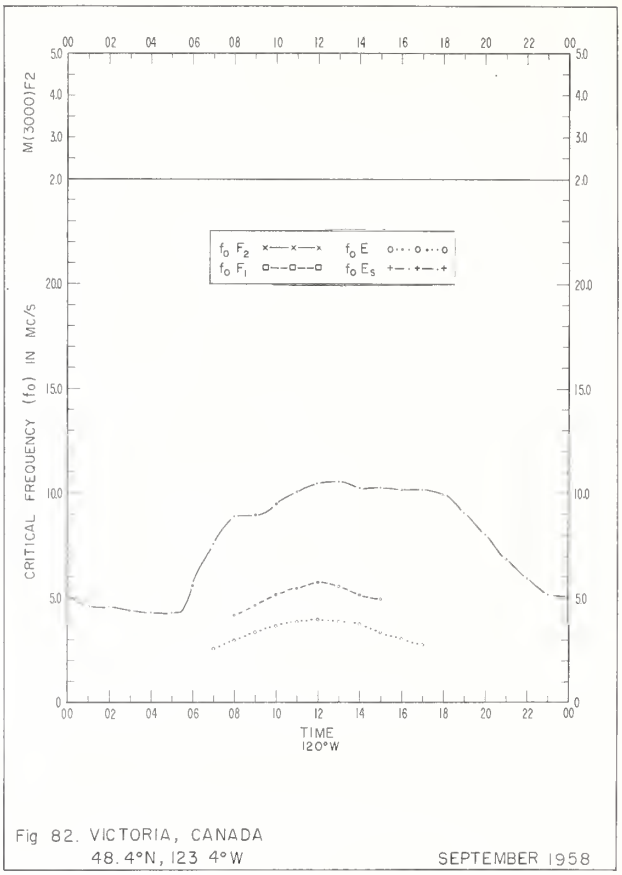

Fig. 82. VICTORIA, CANADA
48.4°N, 123.4°W
SEPTEMBER 1958

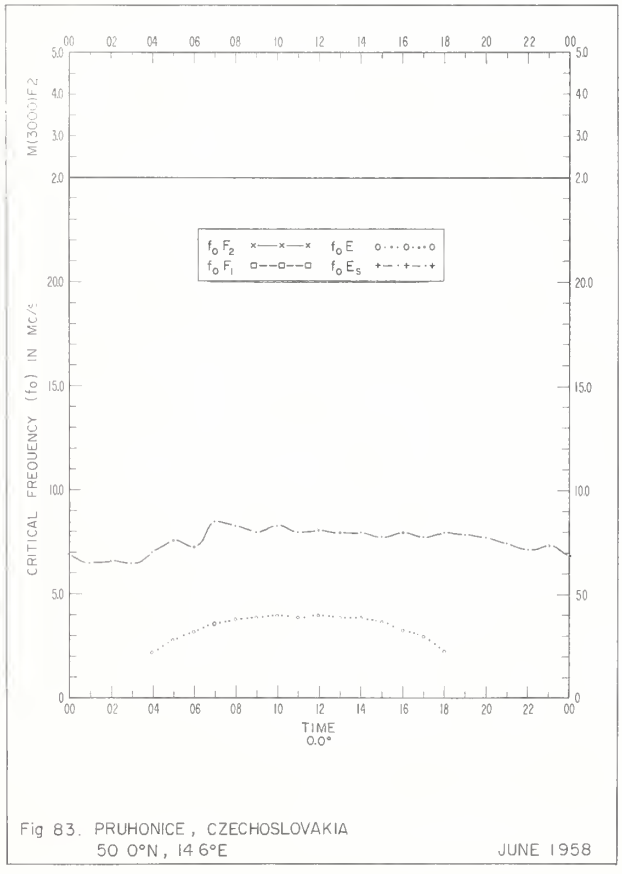

Fig. 83. PRUHONICE, CZECHOSLOVAKIA
50.0°N, 14.6°E
JUNE 1958

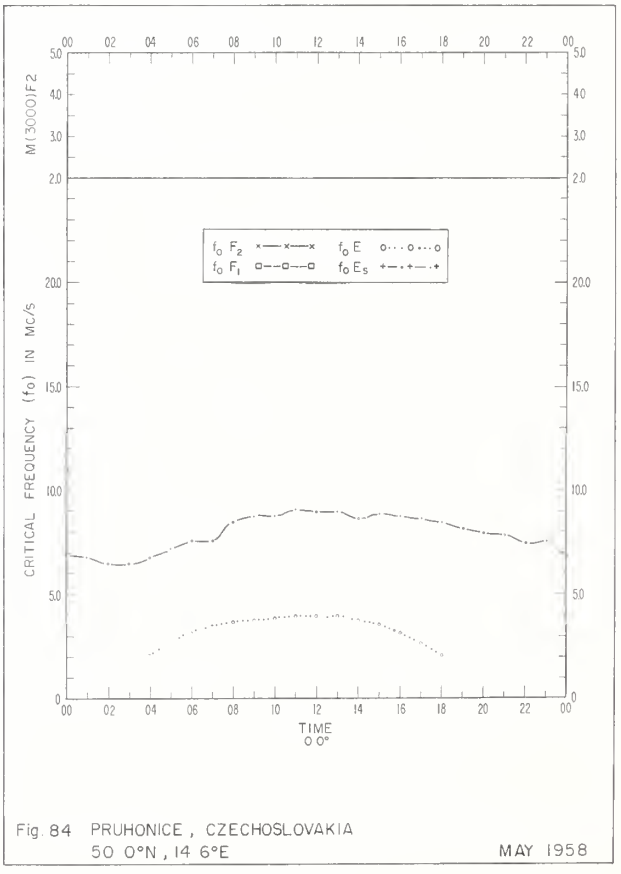

Fig. 84 PRUHONICE, CZECHOSLOVAKIA
50.0°N, 14.6°E
MAY 1958

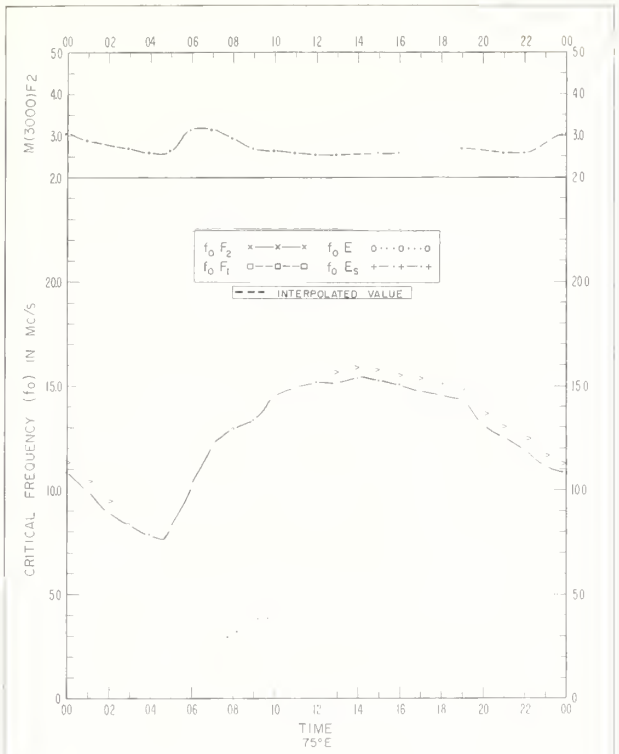

Fig 85. DELHI, INDIA
28.6°N, 77.2°E
APRIL 1958

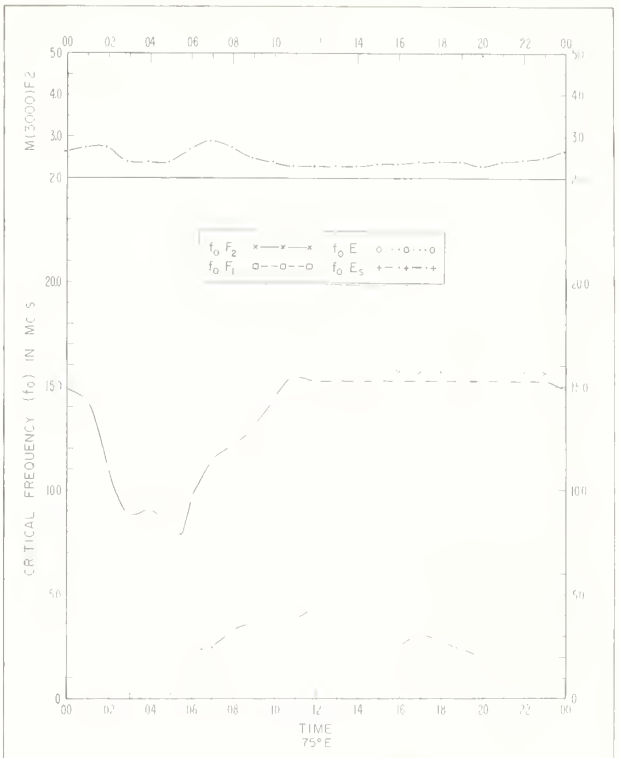

Fig 86 AHMEDABAD, INDIA
23.0°N, 72.6°E
APRIL 1958

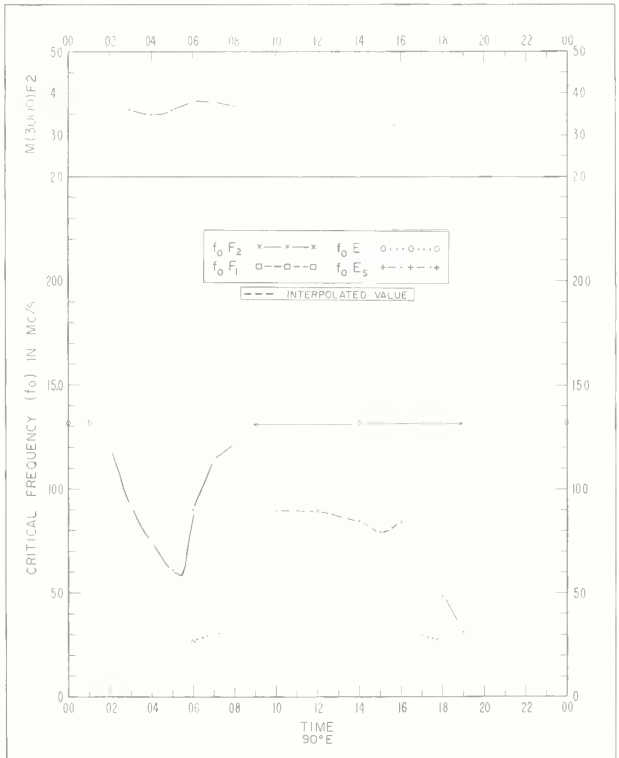

Fig. 87 CALCUTTA, INDIA
23.0°N, 88.6°E
APRIL 1958

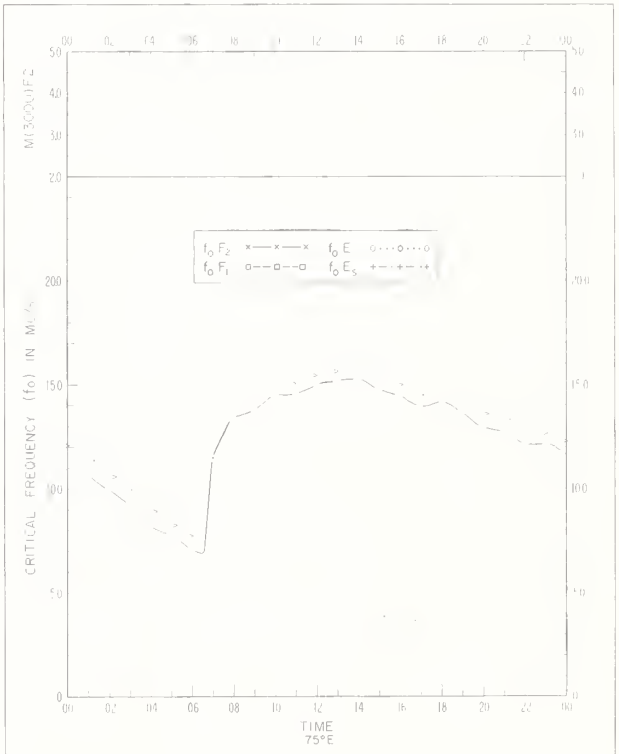

Fig. 88 BOMBAY, INDIA
19.0°N, 72.8°E
APRIL 1958

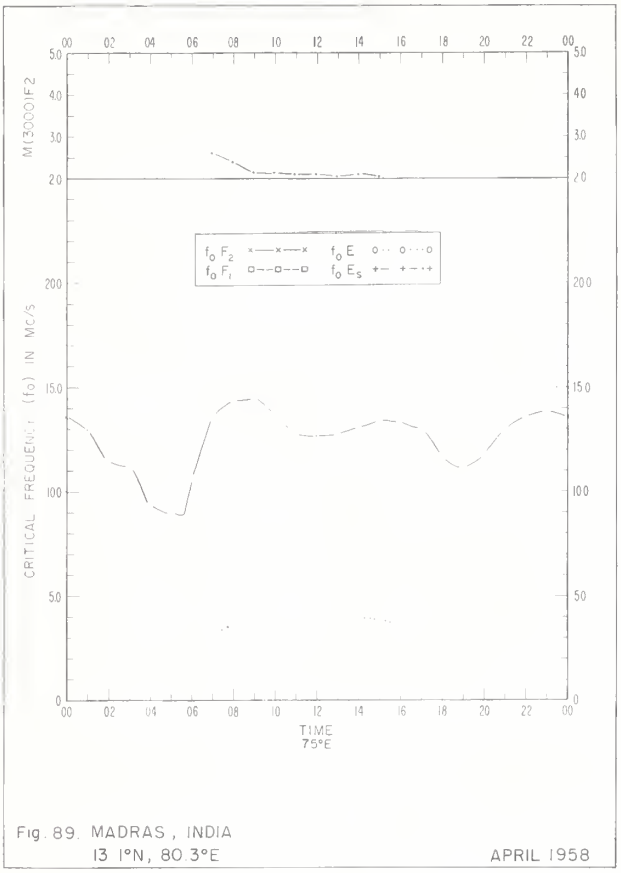

Fig. 89. MADRAS, INDIA
13.1°N, 80.3°E
APRIL 1958

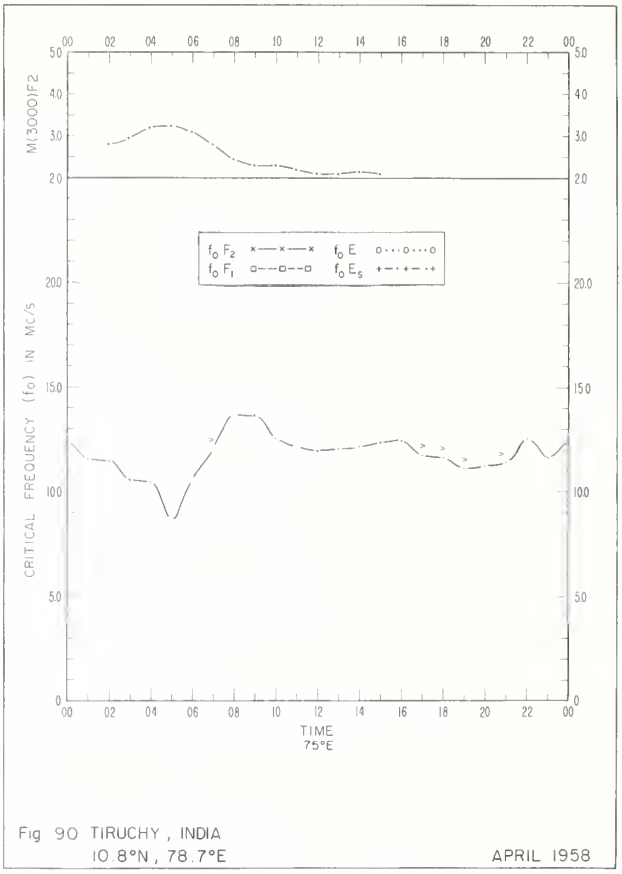

Fig 90 TIRUCHY, INDIA
10.8°N, 78.7°E
APRIL 1958

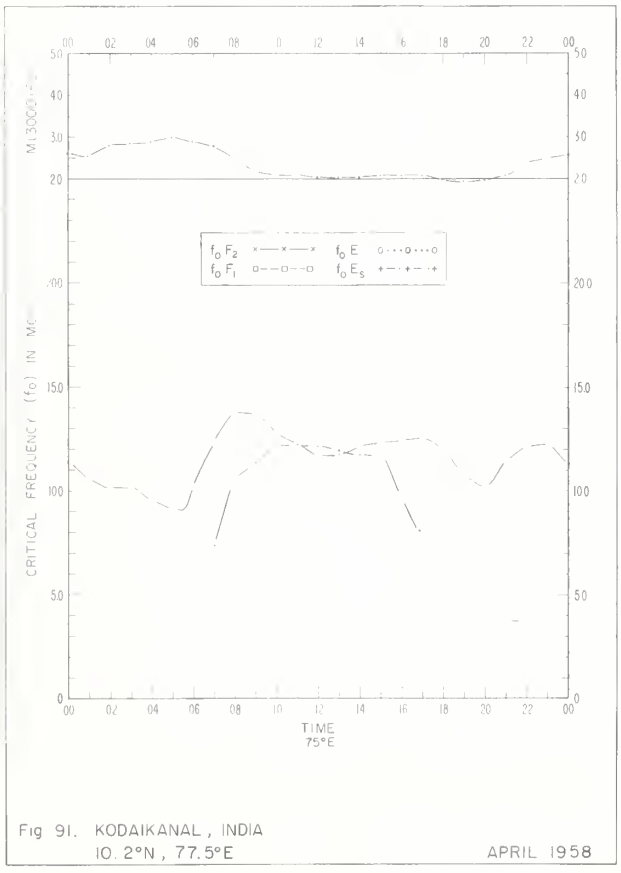

Fig 91. KODAIKANAL, INDIA
10.2°N, 77.5°E
APRIL 1958

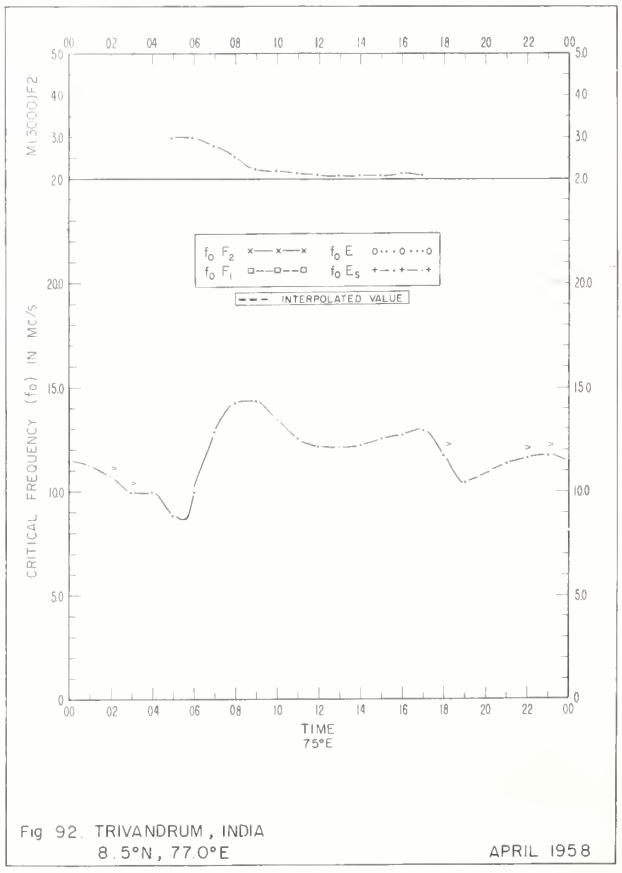

Fig 92. TRIVANDRUM, INDIA
8.5°N, 77.0°E
APRIL 1958

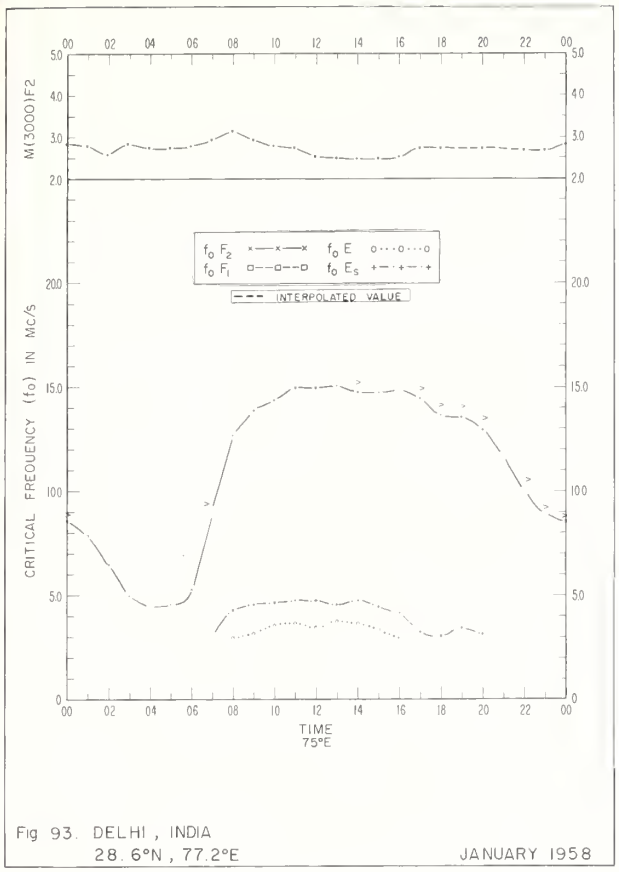

Fig. 93. DELHI, INDIA
28.6°N, 77.2°E
JANUARY 1958

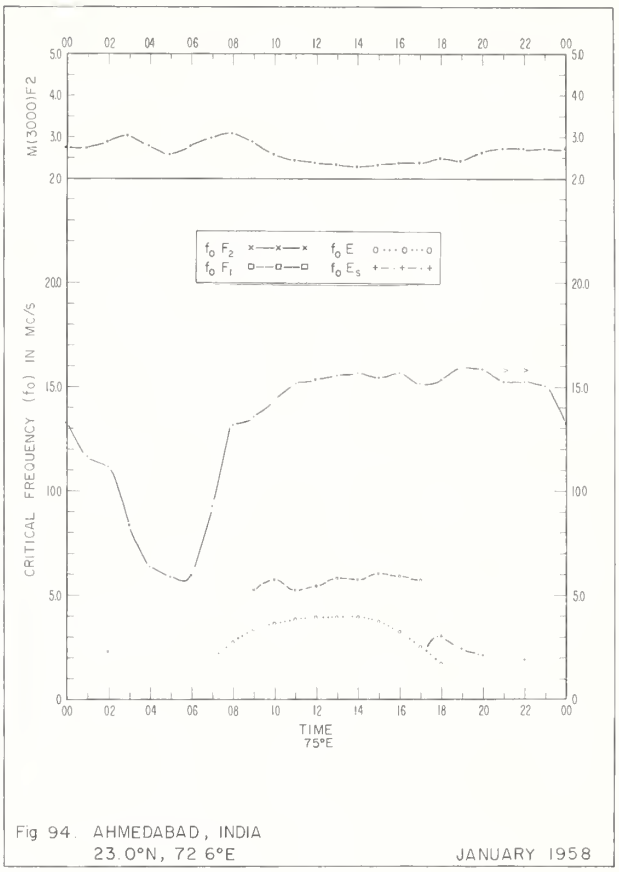

Fig. 94. AHMEDABAD, INDIA
23.0°N, 72.6°E
JANUARY 1958

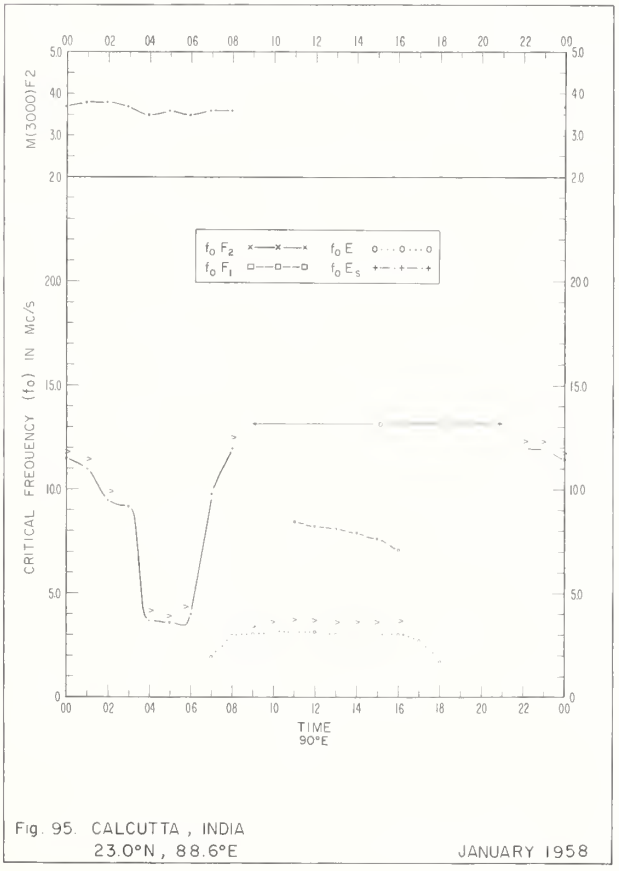

Fig. 95. CALCUTTA, INDIA
23.0°N, 88.6°E
JANUARY 1958

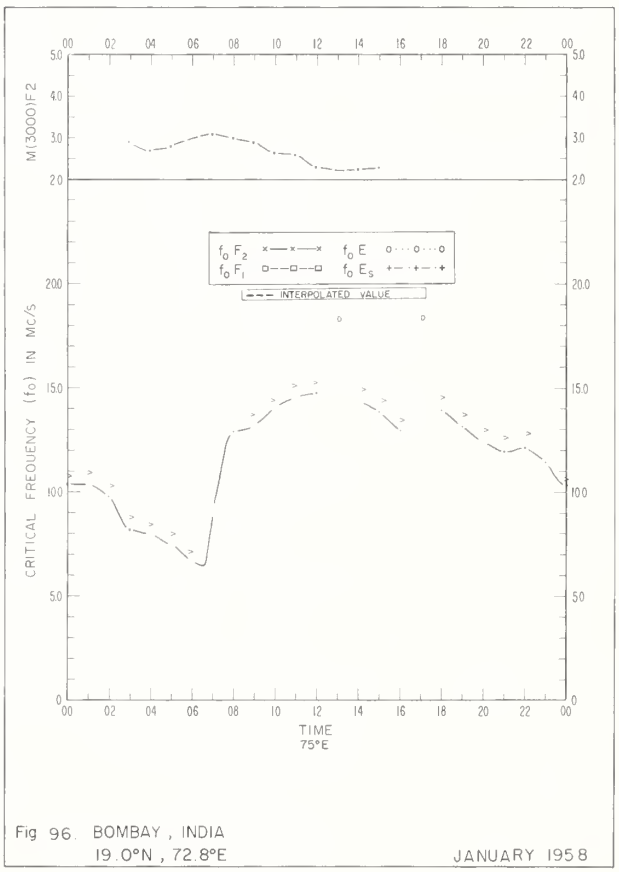

Fig. 96. BOMBAY, INDIA
19.0°N, 72.8°E
JANUARY 1958

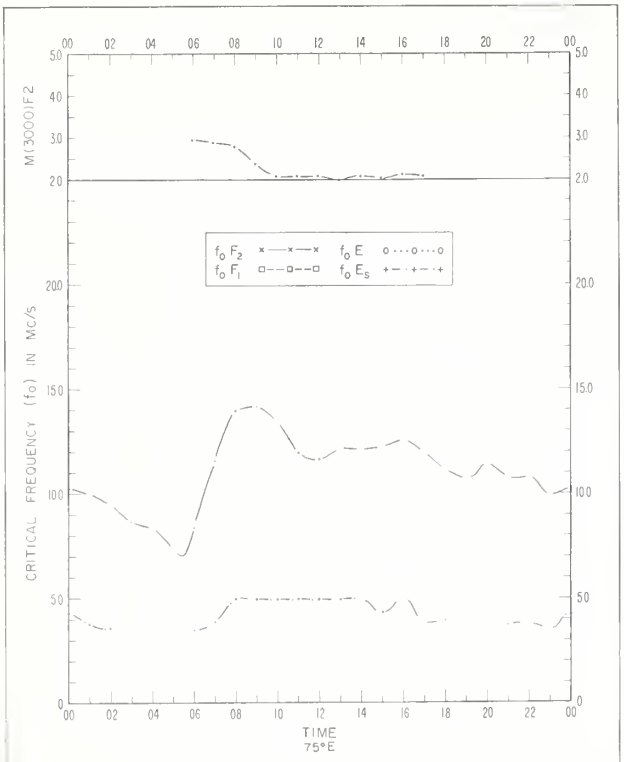

Fig 97. MADRAS, INDIA
13.1°N, 80.3°E
JANUARY 1958

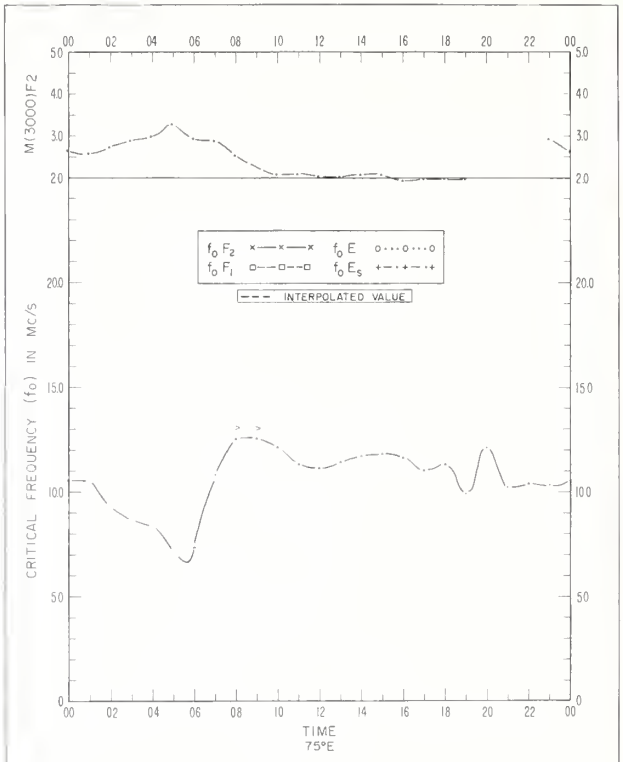

Fig 98. TIRUCHY, INDIA
10.8°N, 78.7°E
JANUARY 1958

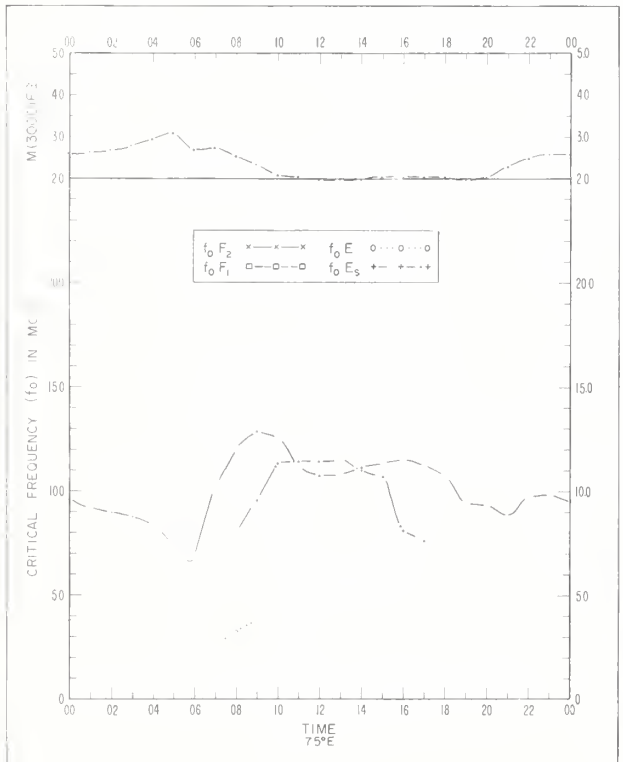

Fig 99. KODAIKANAL, INDIA
10.2°N, 77.5°E
JANUARY 1958

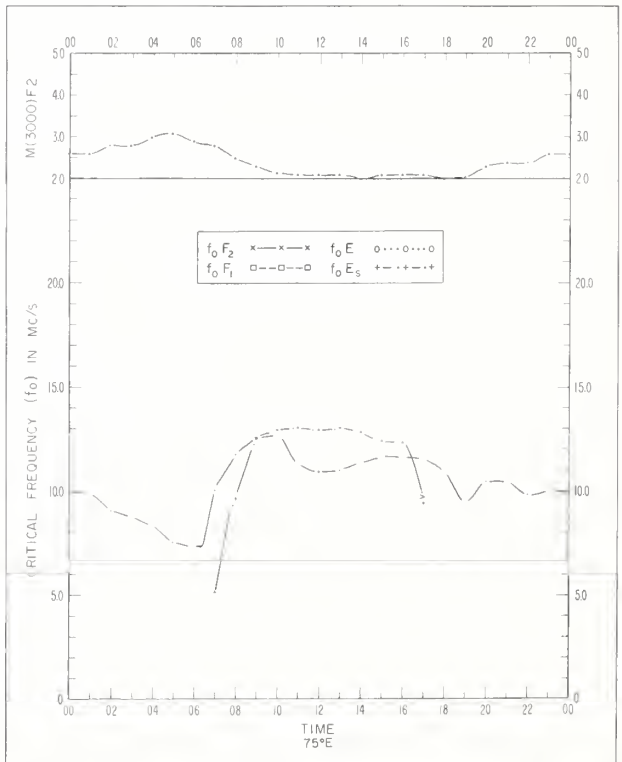

Fig 100. TRIVANDRUM, INDIA
8.5°N, 77.0°E
JANUARY 1958

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